835B

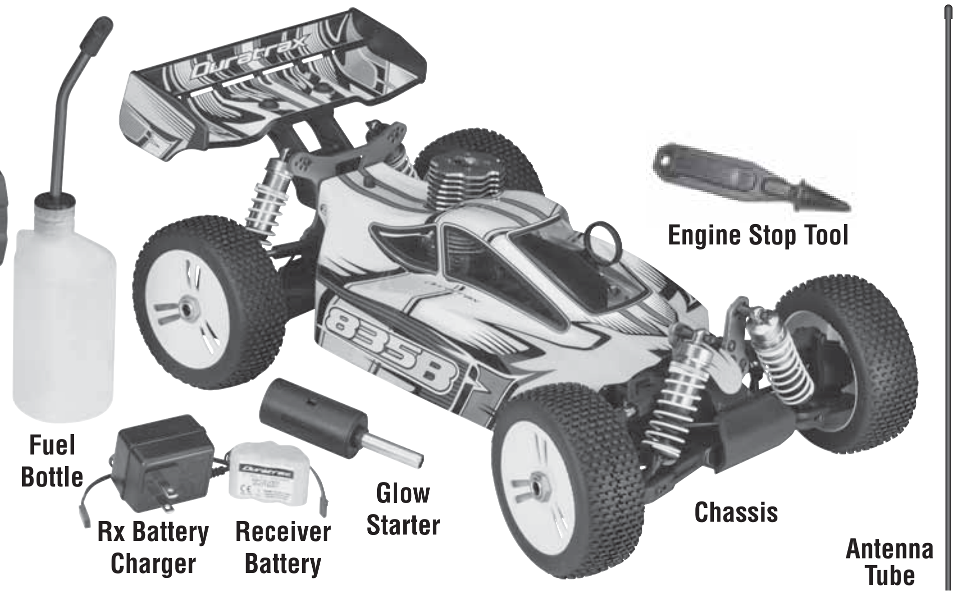


Duratrax®

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CONTENTS





REQUIRES



"C" Alkaline Battery (Glow Starter)



Fuel (ODOP4520)



Air Filter Oil (DTXC2465)



"AA" Alkaline Batteries x4 (Transmitter)

SAFETY PRECAUTIONS

To prevent injury and damage to property, follow these safety precautions when operating any radio control vehicle.

- Keep all spectators a safe distance away from the vehicle.
- **ALWAYS** turn the transmitter on before the receiver.
- **NEVER** touch any part of the engine or exhaust as they can become very hot.
- **ALWAYS** keep model engine fuel out of the reach of children and follow precautions on the container.
- **NEVER** run your model indoors. Fuel powered vehicles create harmful fumes.
- **NEVER** smoke and avoid ignition sources when using model engine fuel. Model engine fuel is poisonous and flammable. Keep away from open flame.
- Use a mat or towel when working on your model to protect your work surface.
- Do NOT run your radio control vehicle in cold weather as plastic parts may become brittle.

WARNING: This product contains a chemical known to the State of California to cause cancer.

SPECIFICATIONS & DESCRIPTION CHANGES

All information found in this manual is subject to change without notice. Visit Duratrax.com for the latest updates and information on your model. Duratrax maintains no responsibility for inadvertent errors in this manual.

LIMITED WARRANTY

Duratrax guarantees this kit to be free from defects in materials or workmanship for 90 days (3 years for the engine) after the date of purchase. Duratrax will repair or replace at no charge any incorrectly made part.

Your receipt or invoice at time of purchase is your proof of purchase and is required for Duratrax to honor any warranty. Duratrax reserves the right to change or modify this warranty without notice.

For warranty repairs, contact or send to:

Hobby Services
3002 N. Apollo Drive Suite 1
Champaign, IL 61822
ATTN: Service Department
Phone: (217) 398-0007
9:00 am – 5:00 pm Central Time M-F
E-mail: hobbyservices@hobbico.com
www.hobbyservices.com

IF the buyer is not prepared to accept the liability associated with the use of this product, buyer is advised to return kit immediately in new and unused condition to the place of purchase.

STRESS-TECH PARTS GUARANTEE

PROTECTED BY STRESS-TECH GUARANTEE 1 YEAR™

Stress-Tech parts are guaranteed for 12 months from the date of purchase. Check the parts list for items covered under the Stress-Tech guarantee. Should a Stress-Tech part break during the first 12 months after purchase, return the part to Hobby Services and we will send you a FREE replacement.

To receive your FREE replacement Stress-Tech part, include the following and return to Hobby Services at the address above:

1. Broken part
2. Part number and description of the broken part
3. COPY of your dated purchase invoice or receipt
4. Name, phone number and shipping address

REPAIR SERVICE

Hobby Services offers repair services after the 90 day limited warranty or 12 month Stress-Tech parts replacement for a minimal charge.

Follow these instructions for your repair request:

1. Most circumstances require the return of the **ENTIRE** vehicle. **STRESS-TECH** requires **ONLY** the broken part to be returned following the instructions above.
2. Turn off the transmitter and remove the batteries.
3. Empty fuel tank on nitro vehicles.
4. Include written instructions listing **ALL** items being returned with a **THOROUGH** description of the problem, service needed and your **DAYTIME** phone number. IF you expect the repair to be covered under the 90 day limited warranty, include copy of receipt or invoice with date of purchase.
5. Send to Hobby Services at the address above. When shipping your item(s) to us, we recommend that you insure them and use a company that offers tracking service (such as UPS or Federal Express).

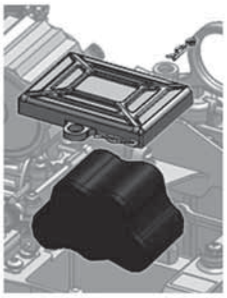
We will carefully inspect your item and notify you of our findings. You will be advised of your options for return, repair, or replacement. Please note that items sent back unrepaired will carry a return shipping and service charge.

Hobby Services accepts Visa®, MasterCard®, or you can send a check. We can return the item C.O.D., but additional charges will apply.

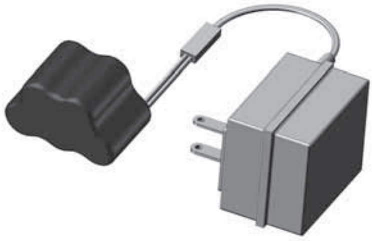
CE 082E NiMH RoHS Compliant

Included radio system is not fully compliant with French regulations.

1 CHARGE THE RECEIVER BATTERY

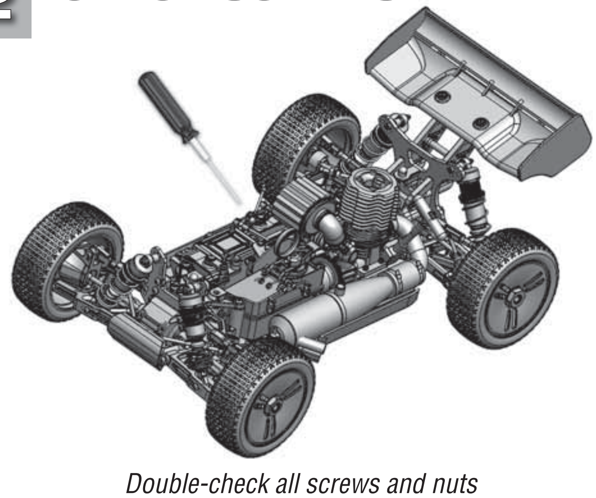


Remove the battery.



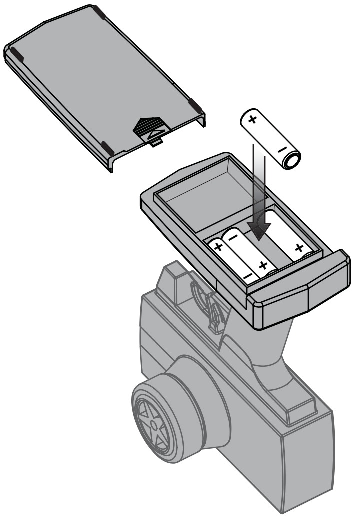
Allow 8 hours to fully charge the battery.

2 CHECK SCREWS

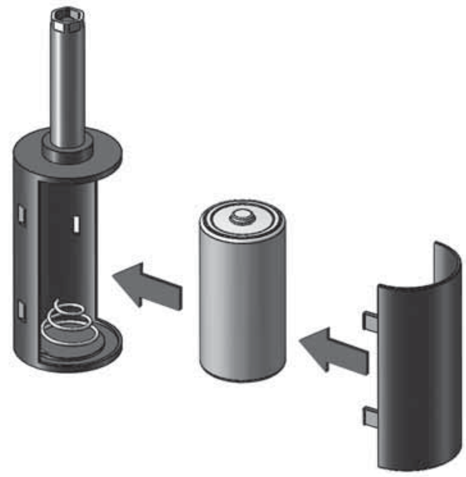


Double-check all screws and nuts to be sure they are tight.

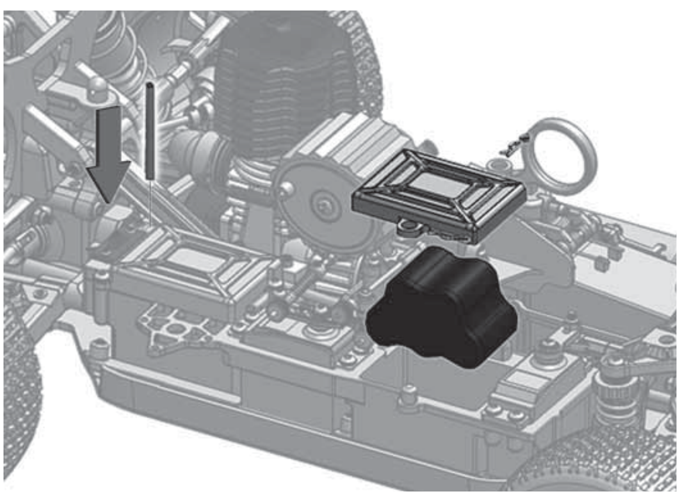
3 INSTALL TRANSMITTER BATTERIES



4 INSTALL GLOW STARTER BATTERY



5 INSTALL ANTENNA TUBE AND RECEIVER BATTERY

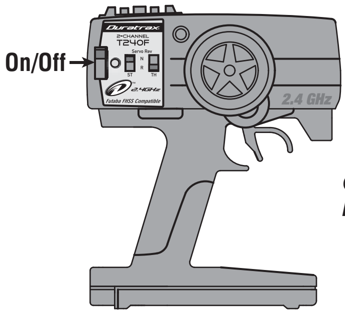


6 OIL AIR FILTER



- Apply air filter oil (DTXC2465) onto the foam element, squeezing the element until it is completely coated with the oil.
- TIP! Placing the element in a plastic bag will help keep your hands clean.
- Remove any excess oil with a paper towel.

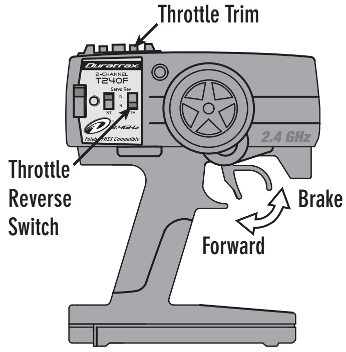
7 POWER UP TRANSMITTER



Check radio operation before each run!

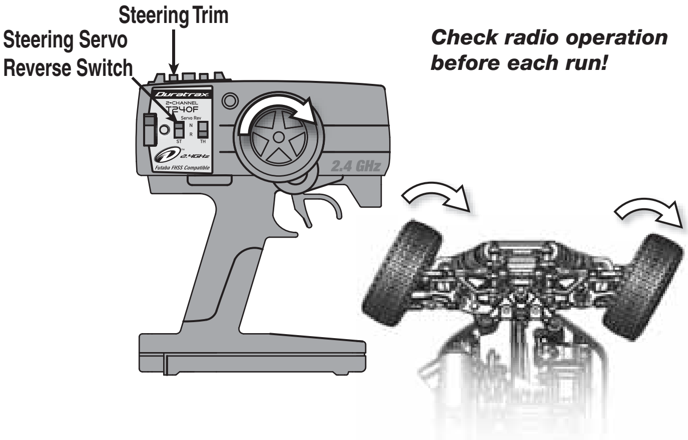
If you ever need to re-bind the receiver, turn on the system and press and hold the bind button on the receiver until the L.E.D. turns solid green.

8 CHECK THROTTLE



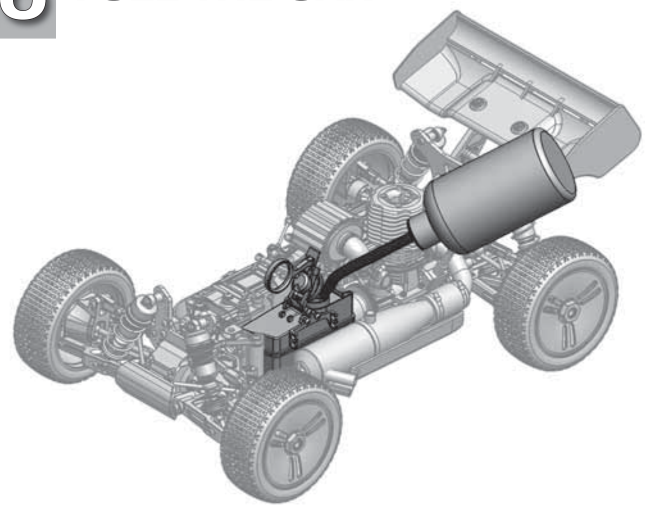
Check radio operation before each run!

9 CHECK STEERING



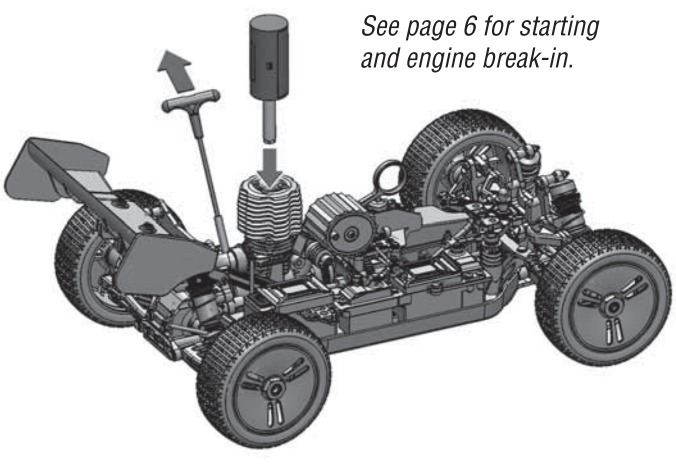
Check radio operation before each run!

10 FUEL THE CAR

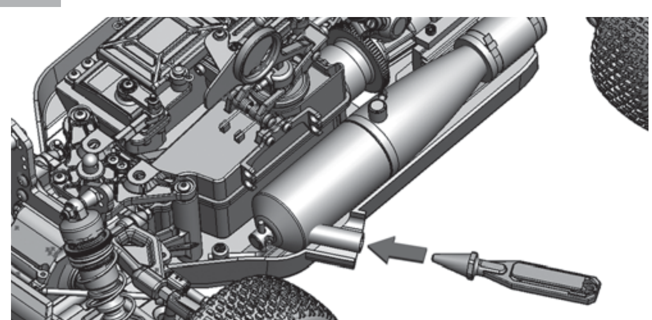


11 START THE ENGINE

See page 6 for starting and engine break-in.



12 STOP THE ENGINE



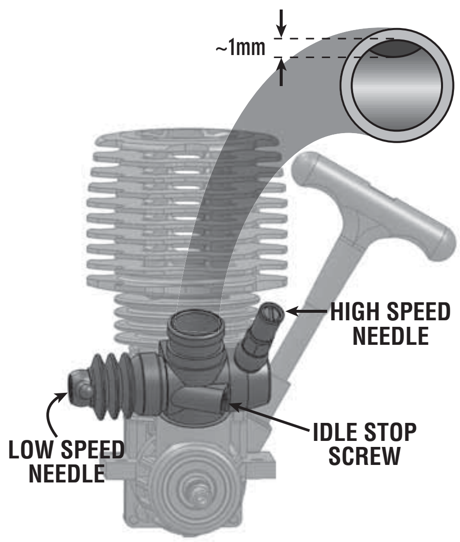
To stop your 835b engine, place the pointed end of the engine tool into the exhaust outlet (stinger). This will block the exhaust and stop the engine.

BREAK-IN PROCEDURE

When starting, hold the throttle slightly open. If the engine is difficult to turn over, loosen glow plug 1/2-turn before starting engine (this allows some compression to escape while allowing the engine to start). Once engine starts, tighten the glow plug.

IMPORTANT! FLOODED ENGINE: If you are still having problems turning the engine over, it is flooded (too much fuel inside the engine).

1. Remove glow plug and turn vehicle upside down, pointing away from you.
2. Pull the recoil 5 times (clearing engine of fuel).
3. Replace glow plug.
4. Repeat starting engine steps.



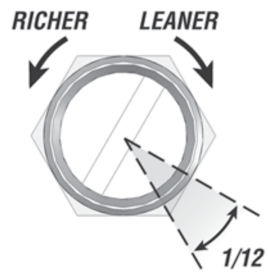
Engine break in will be accomplished with the first 5 tanks of fuel. (NOTE: Full break-in may take up to 15 tanks.)

1. During break-in, run with the body off to keep the engine cool.
2. Keep air filter on at all times.
3. Run on smooth, hard surface.
4. Make sure you have extra glow plugs. Break-in puts stress on the glow plug and it may need to be replaced.

TANK 1

Run very rich allowing fuel to carry as much oil as possible to lubricate internal engine parts.

1. High Speed Needle Valve: Check this setting before running. Close the high speed needle by rotating it clockwise until you just feel resistance, then open to 4 full turns out (counterclockwise).
2. Run at medium speeds, slowly accelerating and decelerating.
3. If engine does not stay running consistently, increase idle speed by turning the idle stop screw clockwise.
4. DO NOT allow the tank to run out of fuel during break-in.
5. Stop engine and allow it to cool approximately 10 – 15 minutes.



TANKS 2-4

1. For each additional tank, lean high speed needle 1/12 turn from the previous tank's setting.
2. Stop engine, allowing it to cool approximately 10 – 15 minutes, between each tank.

TANK 5

1. Lean high speed needle an additional 1/12 turn from Tank 4 setting.
2. The engine should now be very close to final tune and be broken in and ready to be performance tuned.

TUNING TIPS (Adjust only after the engine is fully broken in.)

IMPORTANT! Always run the engine for 1-2 minutes to warm up temperature before tuning! Only use "small" adjustments (1/12 turn at a time) and test the results.

- **High Speed Needle:** Controls the fuel/air mixture at high throttle settings. A properly tuned engine will accelerate smoothly and exhaust a small amount of smoke. The goal is to tune the engine to make good power without overheating. Engine temperature should stay around 250° F (132° C) using a temperature gauge (Duratrax Flashpoint™, DTXP3100). Note: This temperature is a "guideline" only. Your engine may run slightly warmer or cooler depending on conditions: fuel, track, and how you drive.
- **Low Speed Needle:** Controls fuel mixture at low throttle settings (idle). To check this setting, keep the throttle at idle and pinch the fuel line close to the carburetor. A correct setting will increase the engine speed after 2-3 seconds and then lose speed.
  - If it slows too quickly, the mixture is too lean. Open the low speed needle (counterclockwise).
  - If it takes longer than 4 seconds to slow down, the mixture is too rich. Close the low speed needle (clockwise).
- **Idle Stop Screw:** Adjust this screw to set the idle speed so the wheels do not rotate when you lift the vehicle off of the ground. When looking into the carburetor, the barrel should be about 1mm from fully closed.

CARE AND MAINTENANCE

1. Keep engine clean and free of dirt.
2. Do not over lean engine.
3. Run all of the fuel out of the engine before storing.
4. Use after run oil and work it into the engine by turning the flywheel before storing.
5. Do not use a fuel with a nitromethane content over 30%.

Engine Tools & Accessories

Engine Tuning Screwdriver



Standard slot-head screwdriver has a 120 mm hardened steel shaft with 3.2 mm wide magnetized tip and rubberized, hexagonal handle.

DTXR0185

TrakPower™ Speed Wash Nitro Cleaner



Applies with or without water and is safe for titanium, aluminum, fiberglass, clear coat, stainless steel, chrome, rubber, plastic, vinyl and leather. 32 fl oz (946 mL).

TKPC8001

Air Filter Oil



Treats foam air filter elements to increase filtering capacity and extend engine life. Handy 1.75 fl oz (51.7 mL) bottle fits easily into a tool box or tote.

DTXC2465

Rapid Heat™ Glo-Starter



Twist-on for a secure connection to heat your glow plug. Twist the other way for easy removal. Includes NiCd and AC charger.

DTXP3000

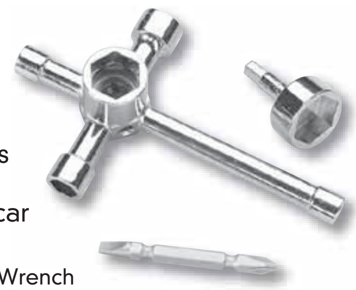
Glow Plugs



Hand-assembled with heat resistant coils. Carbon Speed is medium-hot for informal racing and sport use. Gold Racing Plug is for higher nitro fuels and competitive driving.

DTXG3003 Carbon Speed Plug
DTXG3005 Gold Racing Plug

Deluxe Car Wrenches



Deluxe includes 6 socket head sizes and stores up to 4 glow plugs. Ultimate adds a slotted/Phillips screwdriver bit and 19 mm socket for 1/8 car wheel nuts.

DTXR1170 Deluxe Car Wrench
DTXR1175 Ultimate Car Wrench

Kwik-Pit™ Fuel Bottles



A squeeze on the clear plastic body lets you control fuel flow. The 5 in (63.5 mm) long aluminum spout features a curved tip for no-spill refills and a tip cap to prevent leaks. For glow fuel only.

DTXP0125 250 cc (8.5 fl oz) Fuel Bottle
DTXP0150 500 cc (17.0 fl oz) Fuel Bottle

O'Donnell Racing Fuel®



Speed Blend improves fuel economy and pushes engine performance to the absolute peak. Race Blend simplifies tuning and reduces engine heat and internal wear.

ODOP3320 20% Racing Fuel Quart
ODOP3325 25% Racing Fuel Quart
ODOP3330 30% Racing Fuel Quart
ODOP4520 20% Speed Blend Quart
ODOP4525 25% Speed Blend Quart
ODOP4530 30% Speed Blend Quart

FlashPoint™ Infrared Temperature Gauge



Just point and press for fast, accurate, no-touch temperature readings of engines, motors, batteries and more. Works in seconds and turns off automatically after 15 seconds of inactivity.

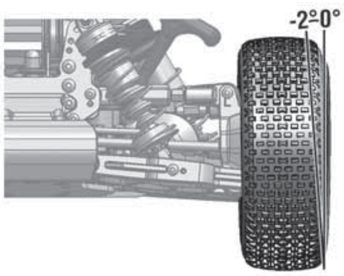
DTXP3100

TUNING GUIDE

As a starting point, make sure your car has equal lengths on shocks, camber links and steering rods on both sides (left and right). Front and rear do not need to be equal.

CAMBER

Angle of the tire and wheel in relation to the ground when viewed from the front.



Negative Camber = Top of the tire and wheel lean inward (Typically 0° to -2°)

- Improved traction while corning.
- Adds overall stability.

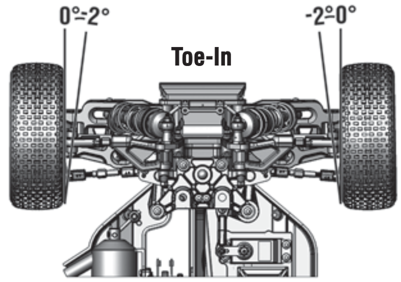
Positive Camber = Tire and wheel lean outward (NOT recommended).

FRONT TOE-IN AND TOE-OUT

Direction the wheels point in relationship with each other, when viewed from the front.

Toe-In: Front of the wheels point toward each other. (Typically 0 to -2°)

- Increased stability when accelerating. Decreased steering when entering a corner.

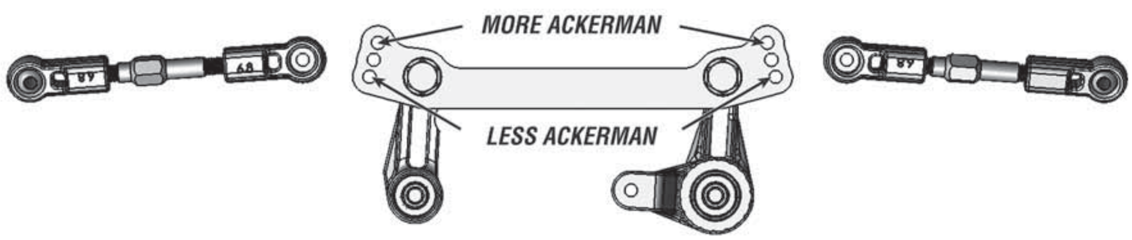


Toe-Out: Fronts of the wheels point away from each other.

- Decreased stability when accelerating and increased steering when entering a corner.

ACKERMAN

The difference in turning angle between the inside wheel and outside wheel in a turn.



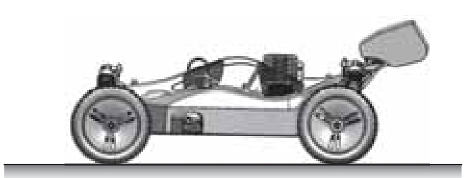
Forward Hole: More initial steering into corner. Steering is more aggressive. Better for tight technical tracks.

Rear Hole: Less initial steering into a corner. Smoother steering response. Better for large flowing tracks.

RIDE HEIGHT

Distance the chassis sits from the ground and how much weight is transferred when the vehicle changes speed and direction.

Rotate the collar on the shock to change ride height. Adjust left and right equally.



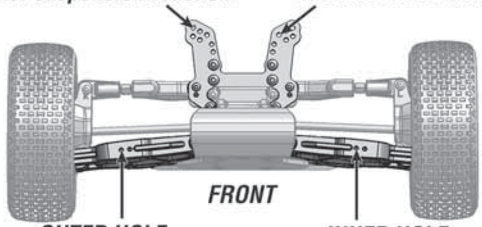


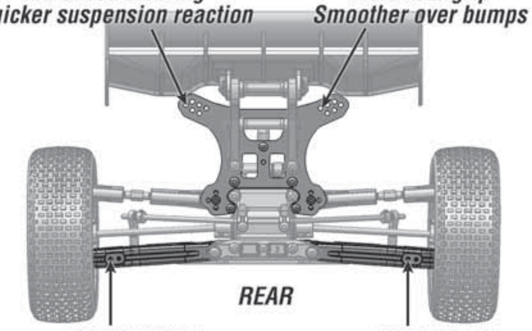


Lower Rear: More rear traction but reduces steering.

Lower Front: Increases steering but can cause rear end to lose traction.

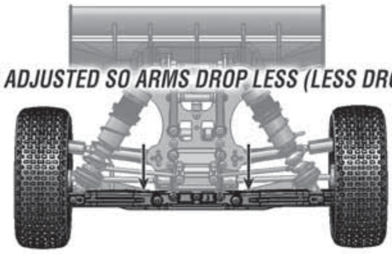
SHOCK ADJUSTMENTS

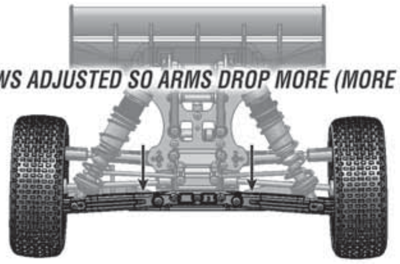


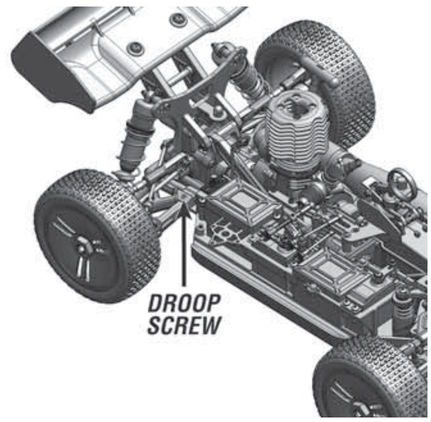


DROOP

Distance the chassis can lift from ride height before the wheels come off the ground.







More Front Droop: Increases chassis up travel when on throttle and decreases high speed steering, making vehicle turn smoother. Good for low traction and bumpy surfaces.

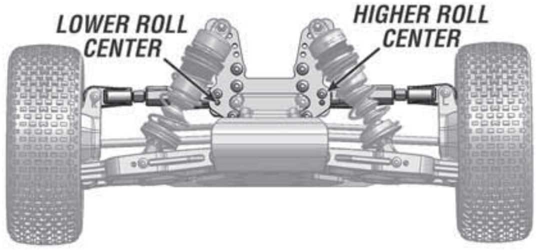
Less Front Droop: Decreases chassis up travel when on throttle, making steering more aggressive. Good for high speed smooth surfaces.

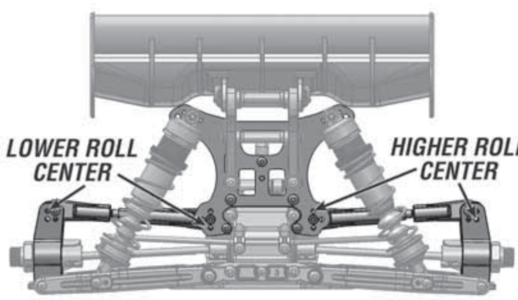
More Rear Droop: Increases chassis up travel when off throttle and under braking. Increases steering in low speed corners and under braking.

Less Rear Droop: Decreases steering in low speed corners, making the vehicle turn smoother.

ROLL CENTER

Point at which the vehicle rolls laterally when cornering.





FRONT ROLL CENTER

Higher Roll Center: Reduces chassis roll and on-power steering. The car feels more responsive. Reduces front traction going into corners. Good for high grip, technical tracks.

Lower Roll Center: Increases the chassis roll and on-power steering. Steering is less responsive, but smoother and more stable. Better for smooth tracks with high speed corners.

REAR ROLL CENTER

Higher Roll Center: Increases the chassis roll on the rear of the car. Increases rear traction on-power. Decreases rear traction during braking.

Lower Roll Center: Decreases the chassis roll at the rear of the car. Decreases rear on-power traction. Reduces corner entry steering. Increases corner exit steering.

WHEELBASE

Distance between the front and rear wheels.



SHORTER WHEELBASE

Increases rear on power traction. More off power steering.



MEDIUM WHEELBASE



LONGER WHEELBASE

Decreases off power steering. Better through rough sections. More stable. More on power steering.

SHOCK OIL

Thinner: Increased traction. Chassis transitions quicker. Increased chance of the chassis bottoming out. Better for rough tracks

Thicker: Decreased traction. Chassis transitions slower. Decreased chance of chassis bottoming out. Better for smooth tracks.



DIFFERENTIAL OIL



FRONT: ***Thinner:*** Increased off power steering (too thin will make it inconsistent.) Decreased on power steering.
Thicker: Increased stability while braking into a corner. Increased on power steering exiting a corner.



CENTER: ***Thinner:*** Better for rough track conditions. Causes the front to unload under acceleration. Decreases on power steering.
Thicker: Better acceleration. Increases on power steering. Less stable. Better for smooth high bite tracks.



REAR: ***Thinner:*** More rear traction in the corners. Increases mid corner steering.
Thicker: Decreases rear traction in the corners. Increases forward traction. Less mid corner steering

CHASSIS MAINTENANCE TIPS

Check before every run:

1. All hardware to be sure everything is tight.
2. Transmitter batteries.
3. Moving parts are free from binding.
4. Parts are not broken or damaged.
5. Wires are properly connected.
6. Remove dirt or debris from chassis and moving parts.
7. Bearings should roll smoothly.
8. Shocks should operate smoothly. Check for leakage and refill as needed.
9. Gear mesh between the spur and clutch gears.

ASSEMBLY GUIDE

FOR MAINTENANCE AND REPAIRS ON YOUR 835B

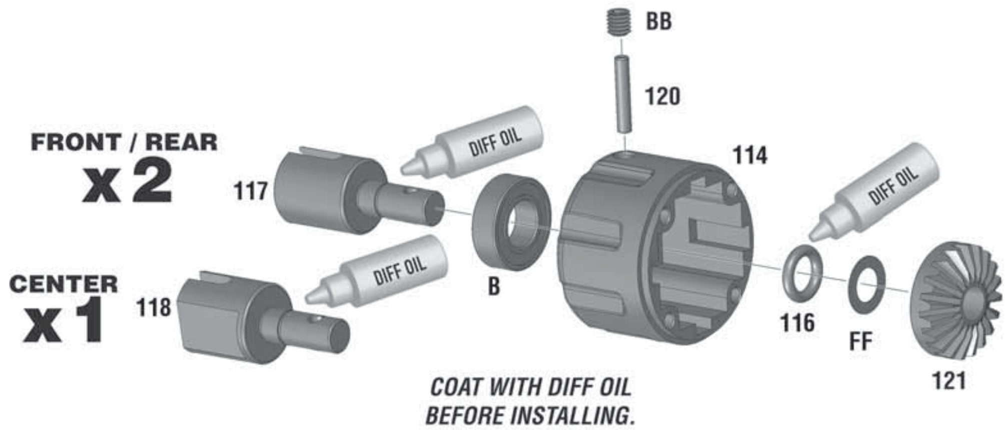
B (x3)
8x16mm

BB (x3)
4x5mm

FF (x3)
6x10mm

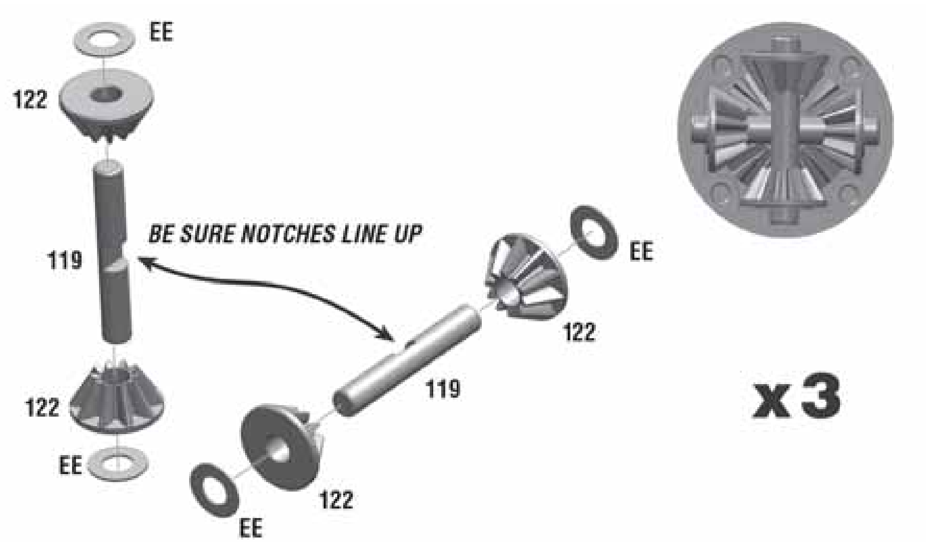
120 (x3)
2.5x13mm

1



EE (x12)
4x7mm

2

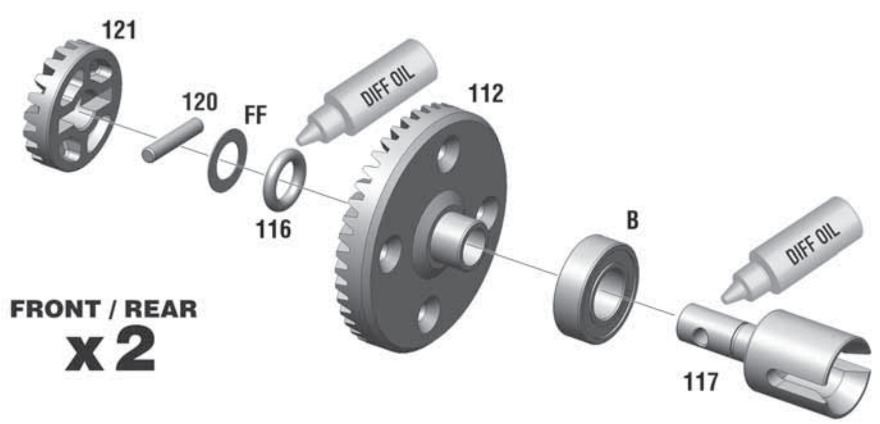


B (x2)
8x16mm

FF (x2)
6x10mm

120 (x2)
2.5x13mm

3





B (x1)
8x16mm

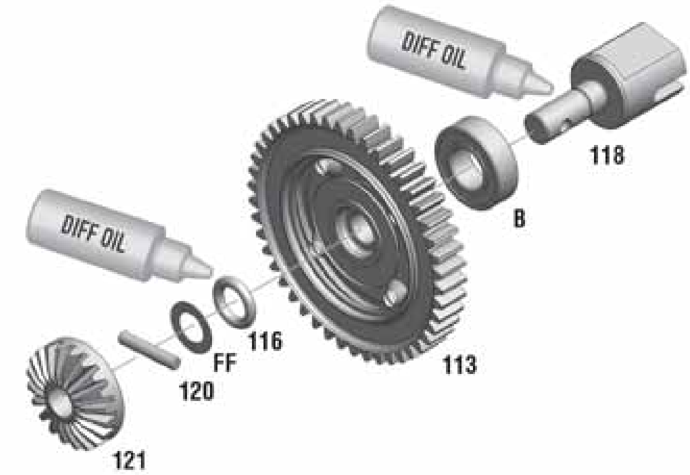


FF (x1)
6x10mm



120 (x1)
2.5x13mm

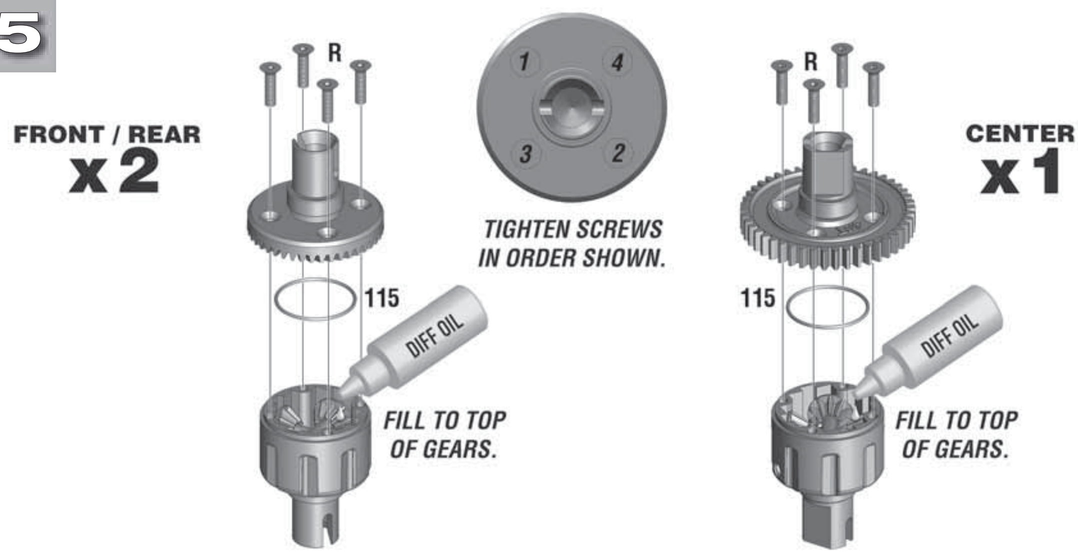
4





R (x12)
3x12mm

5



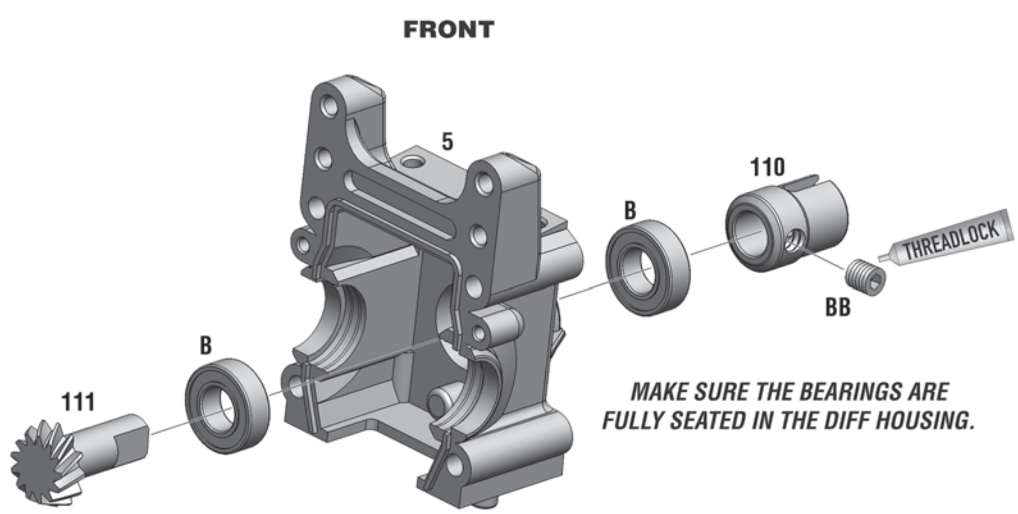


B (x2)
8x16mm



BB (x1)
4x5mm

6



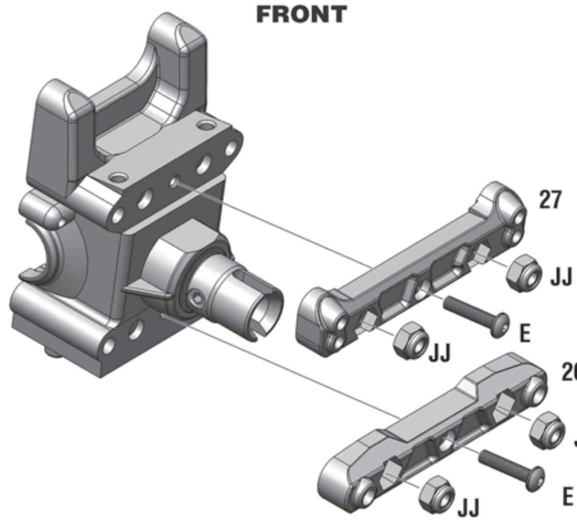


E (x2)
3x10mm



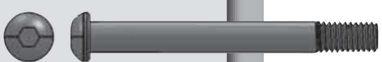
JJ (x4)
4mm

7





E (x1)
3x10mm

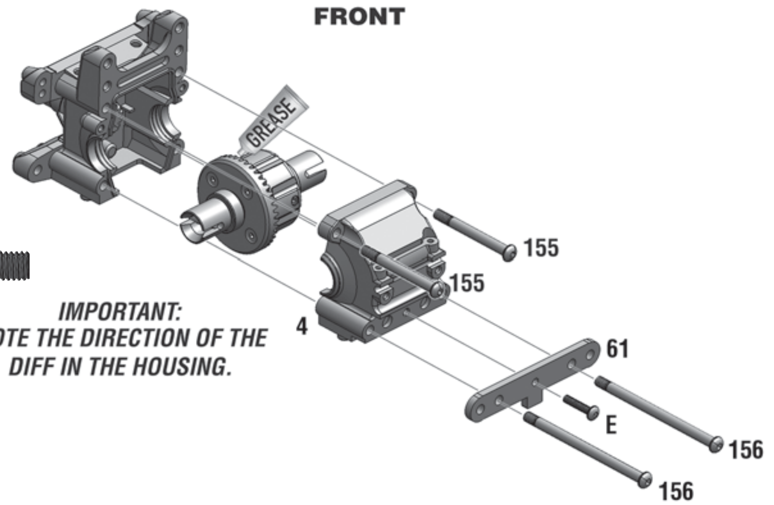


155 (x2)
4x37mm



156 (x2)
4x62mm

8

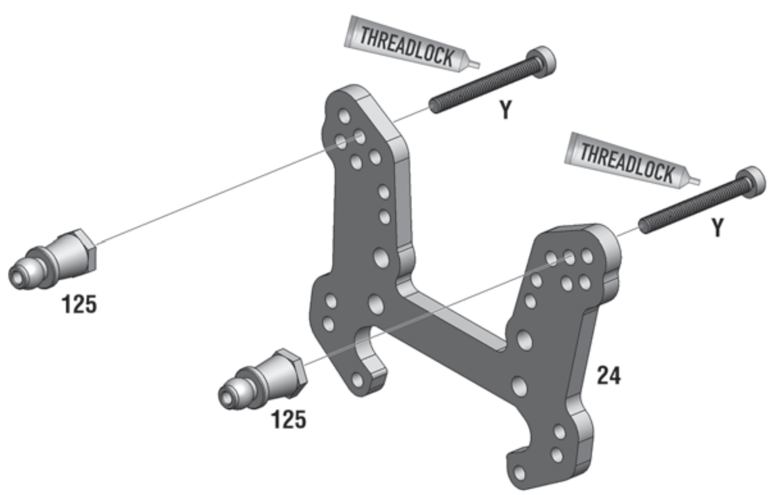


IMPORTANT:
NOTE THE DIRECTION OF THE
DIFF IN THE HOUSING.



Y (x2)
3x30mm

9



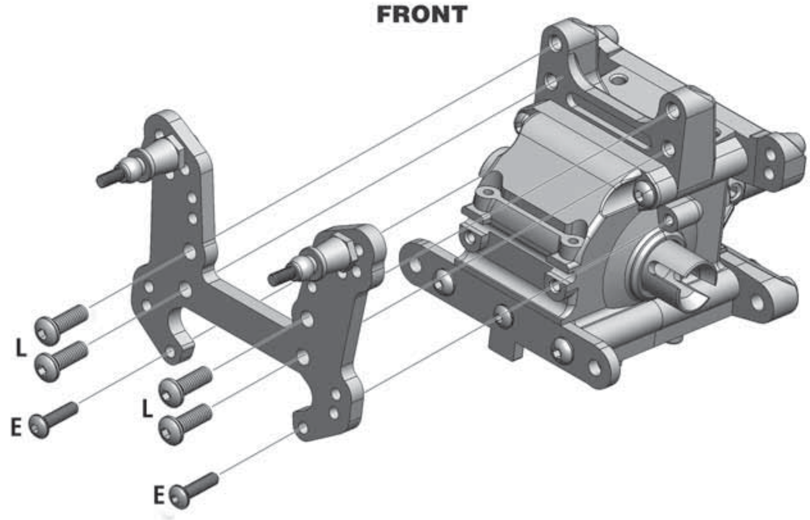


E (x2)
3x10mm



L (x4)
4x12mm

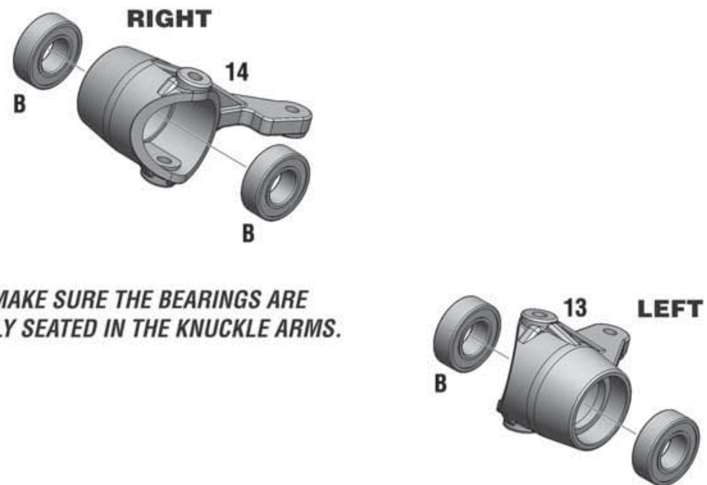
10

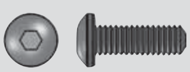




B (x4)
8x16mm

11

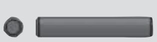




L (x4)
4x12mm

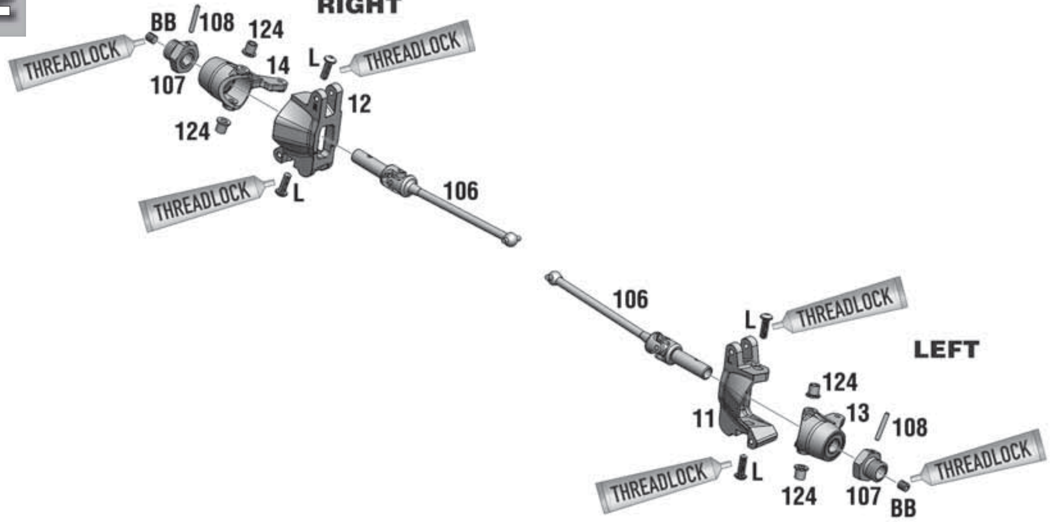


BB (x2)
4x5mm



108 (x2)
2.5x16mm

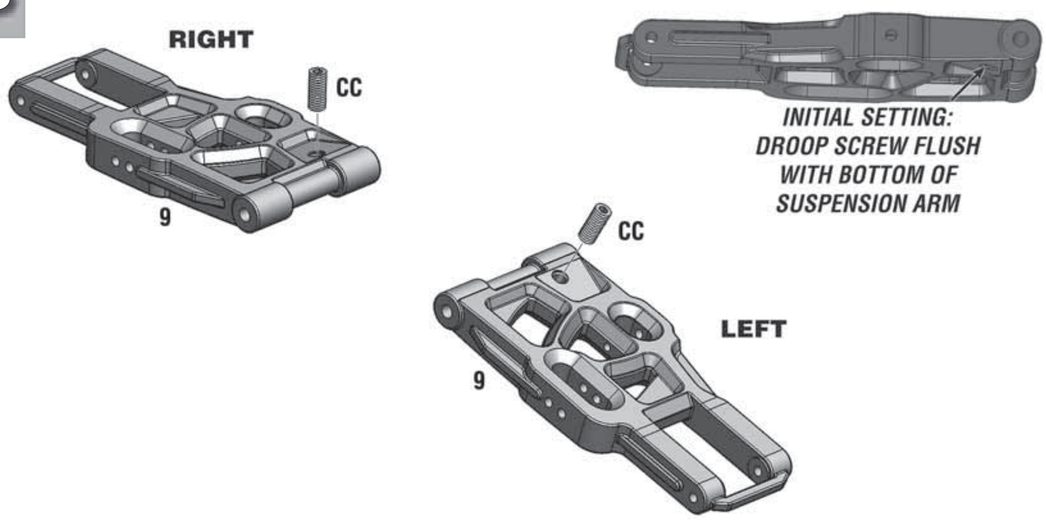
12



13



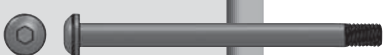
CC (x2)
4x12mm



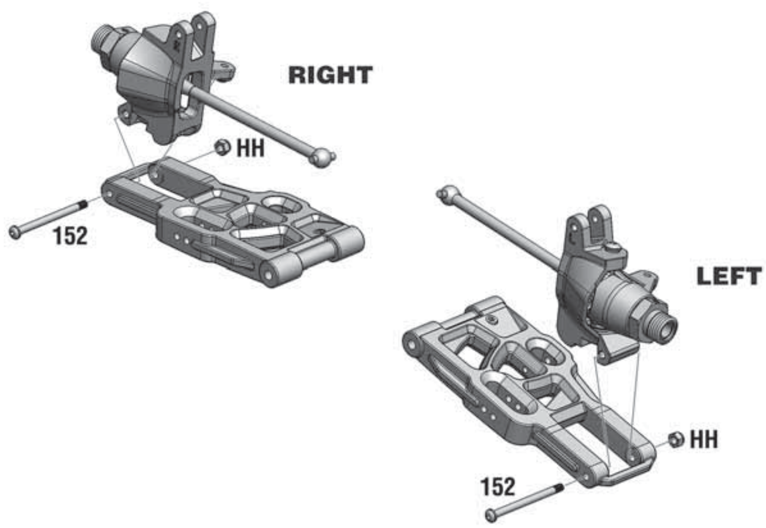
14



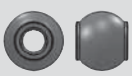
HH (x2)
3mm



152 (x2)
3x40mm



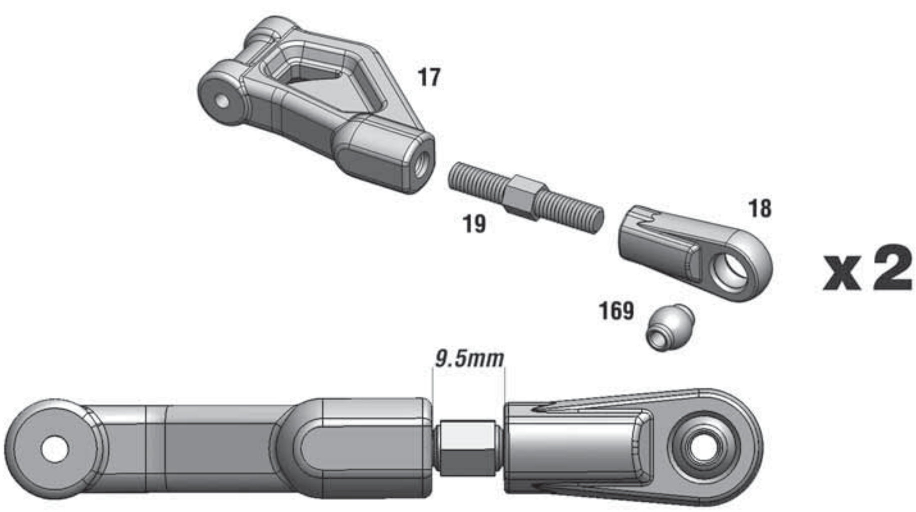
15



169 (x2)



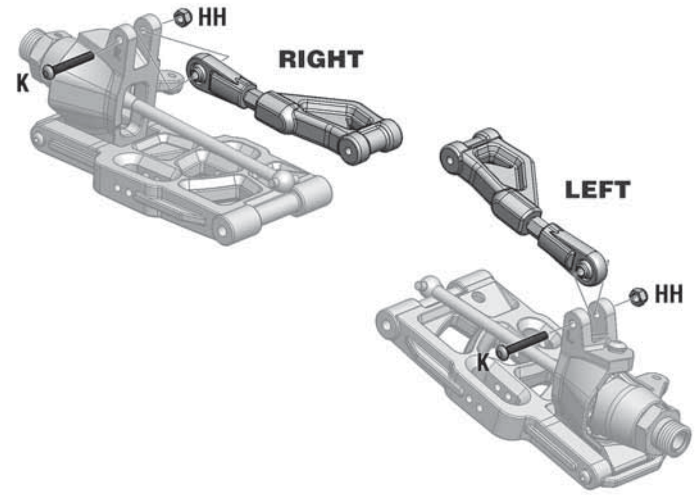
19 (x2)
5x30mm



16

K (x2)
3x22mm

HH (x2)
3mm



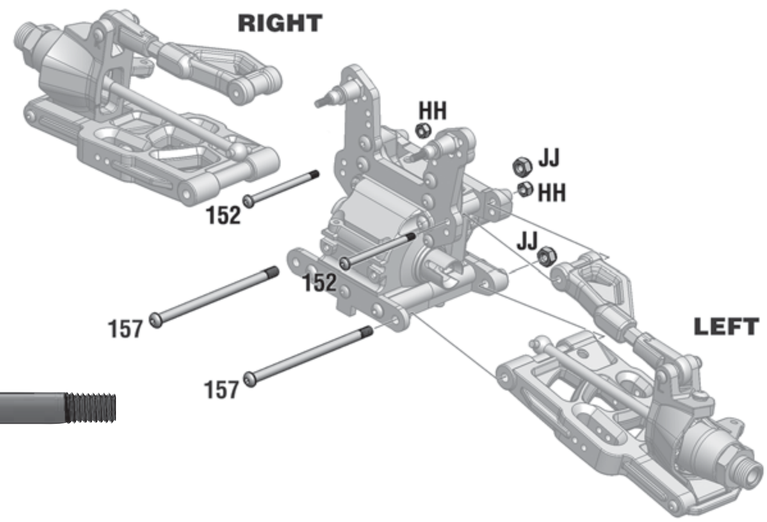
17

HH (x2)
3mm

JJ (x2)
4mm

152 (x2)
3x40mm

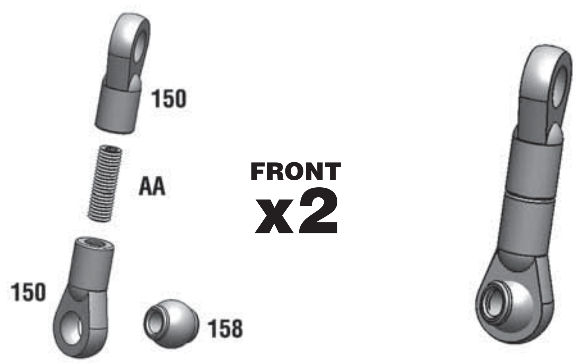
157 (x2)
4x70mm



18

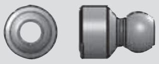
AA (x2)
3x10mm

158 (x2)



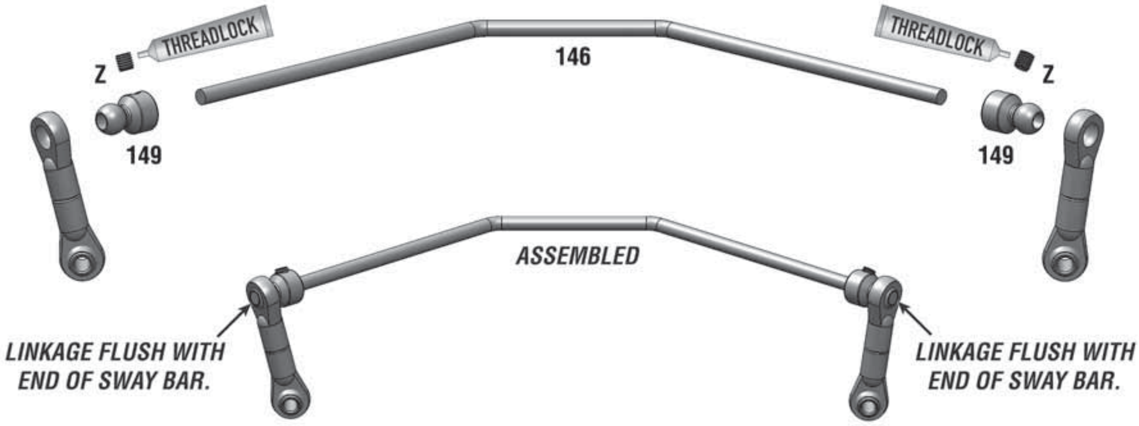


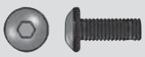
Z (x2)
3x3mm



149 (x2)

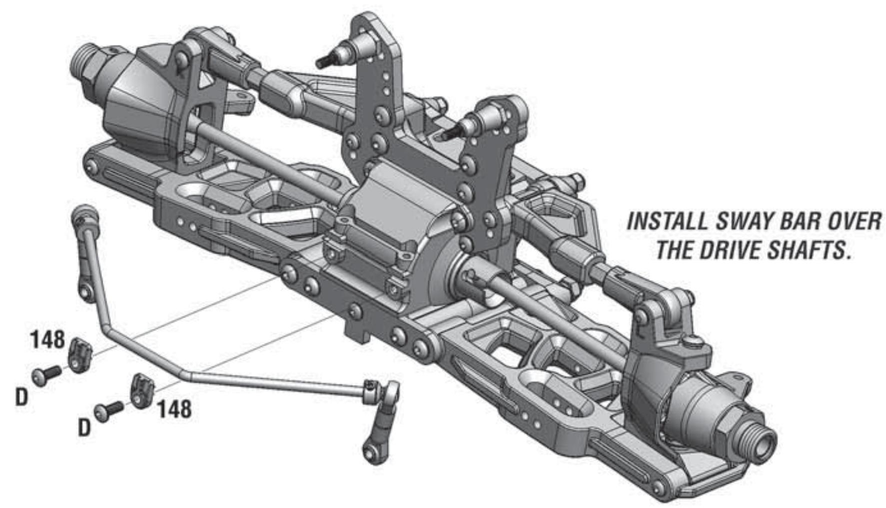
19





D (x2)
3x8mm

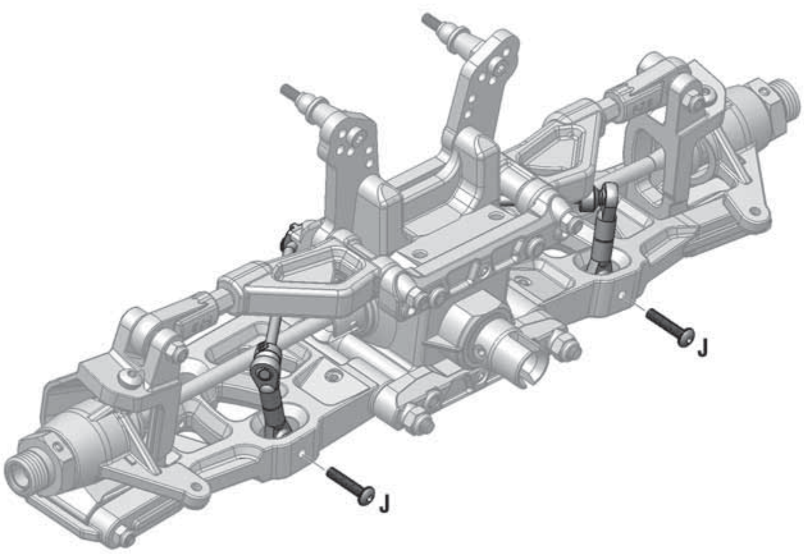
20

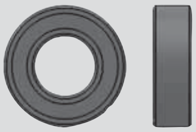




J (x2)
3x18mm

21



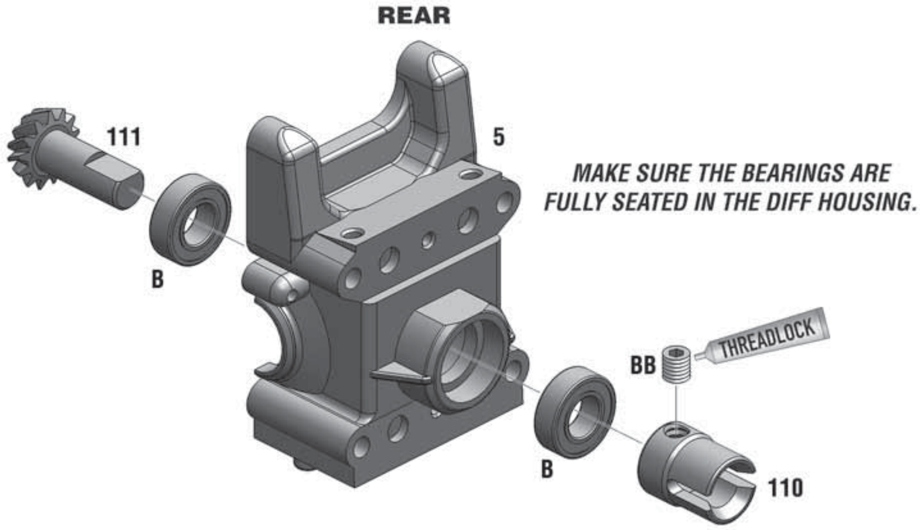


B (x2)
8x16mm



BB (x1)
4x5mm

22



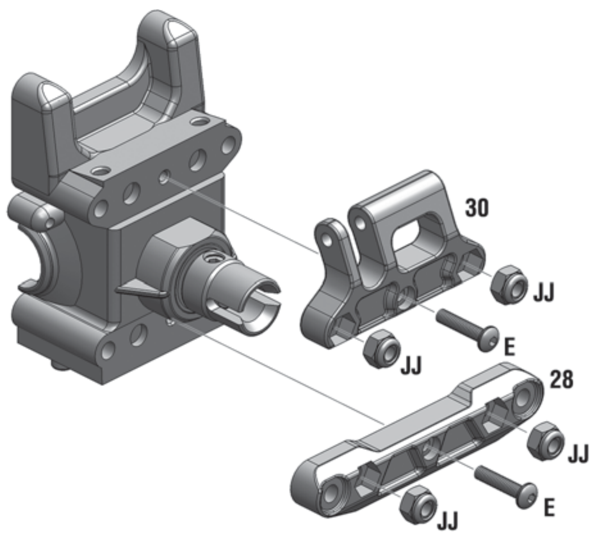


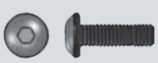
E (x2)
3x10mm



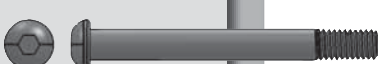
JJ (x4)
4mm

23





E (x1)
3x10mm

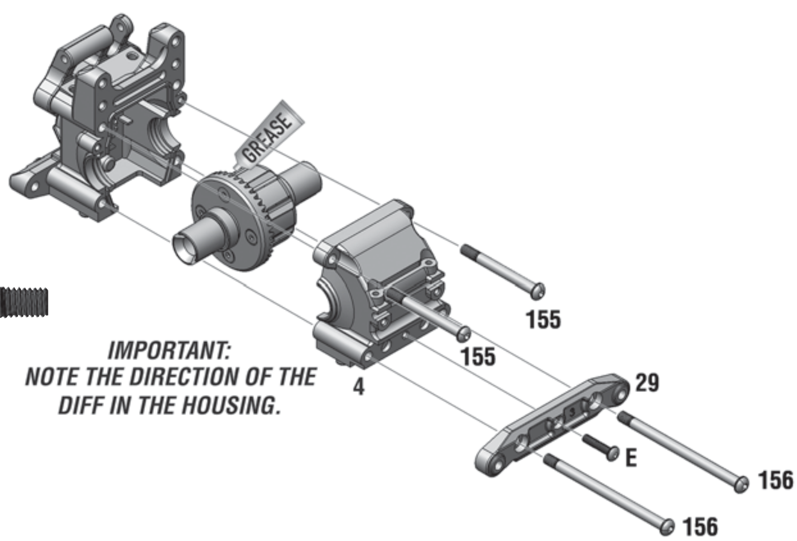


155 (x2)
4x37mm



156 (x2)
4x62mm

24

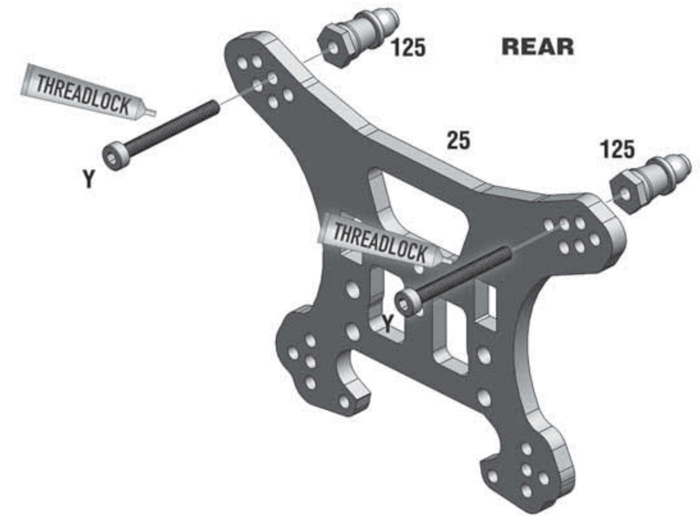


IMPORTANT:
NOTE THE DIRECTION OF THE DIFF IN THE HOUSING.

25



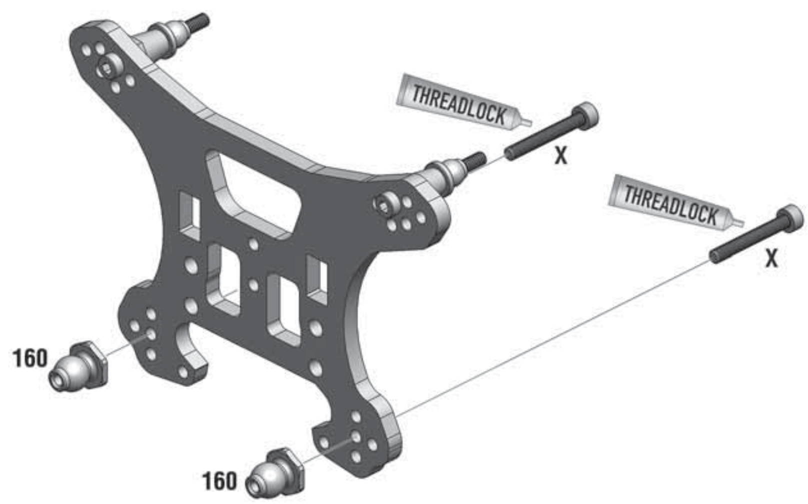
Y (x2)
3x30mm



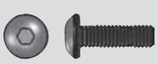
26



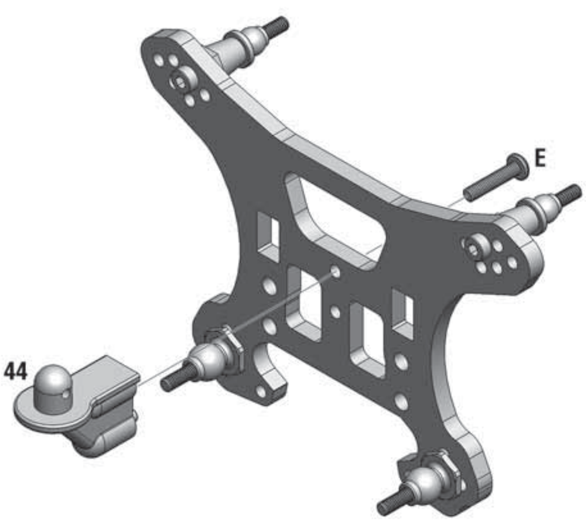
X (x2)
3x20mm



27



E (x1)
3x10mm



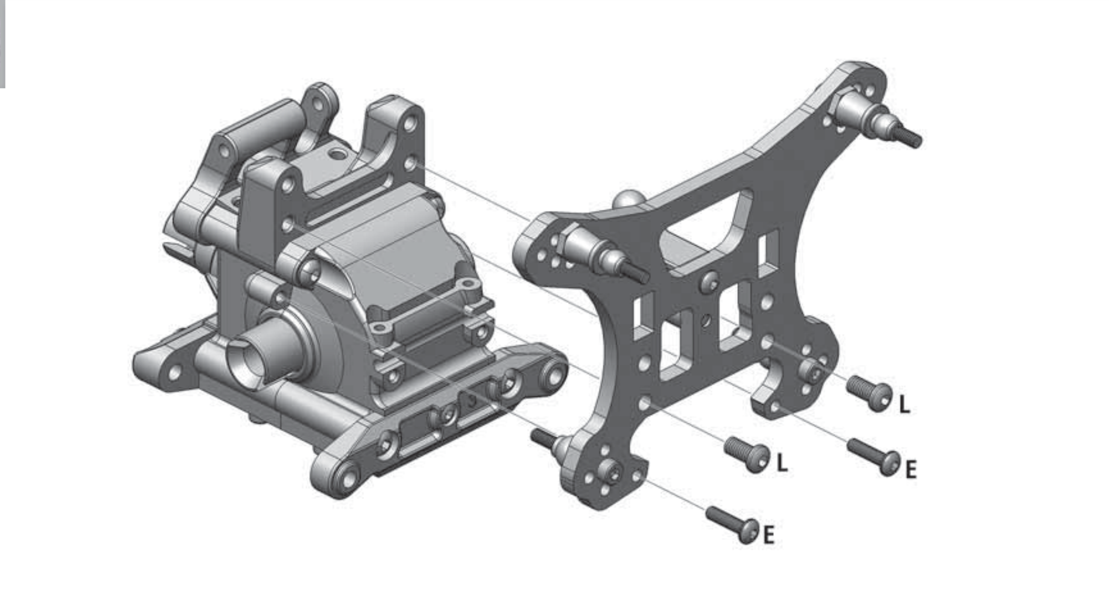


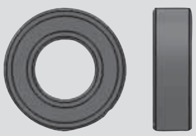
E (x2)
3x10mm



L (x2)
4x12mm

28

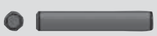




B (x4)
8x16mm

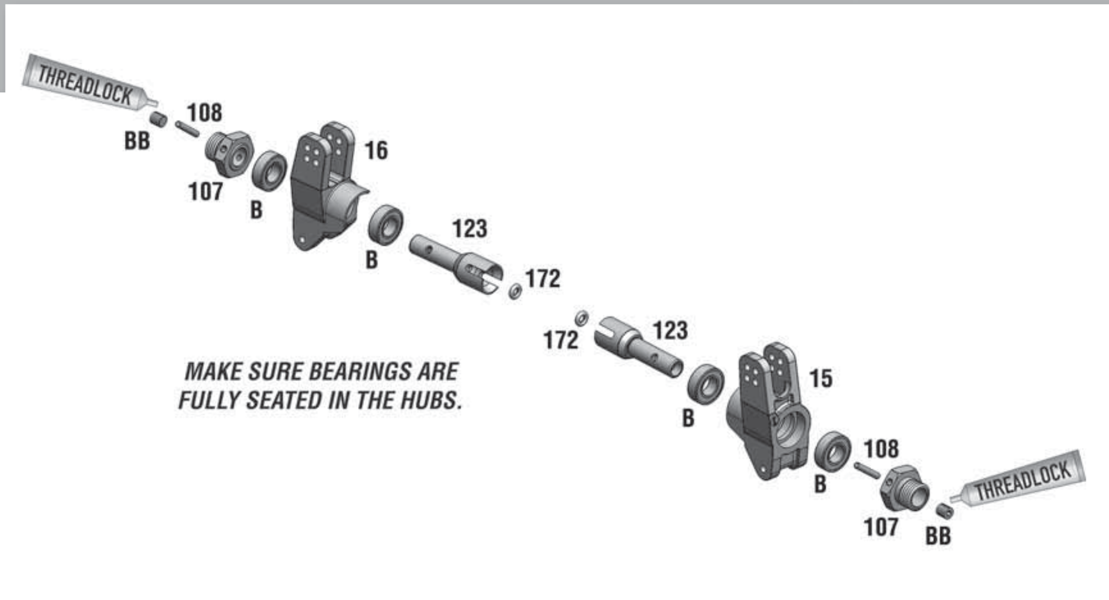


BB (x2)
4x5mm



108 (x2)
2.5x16mm

29



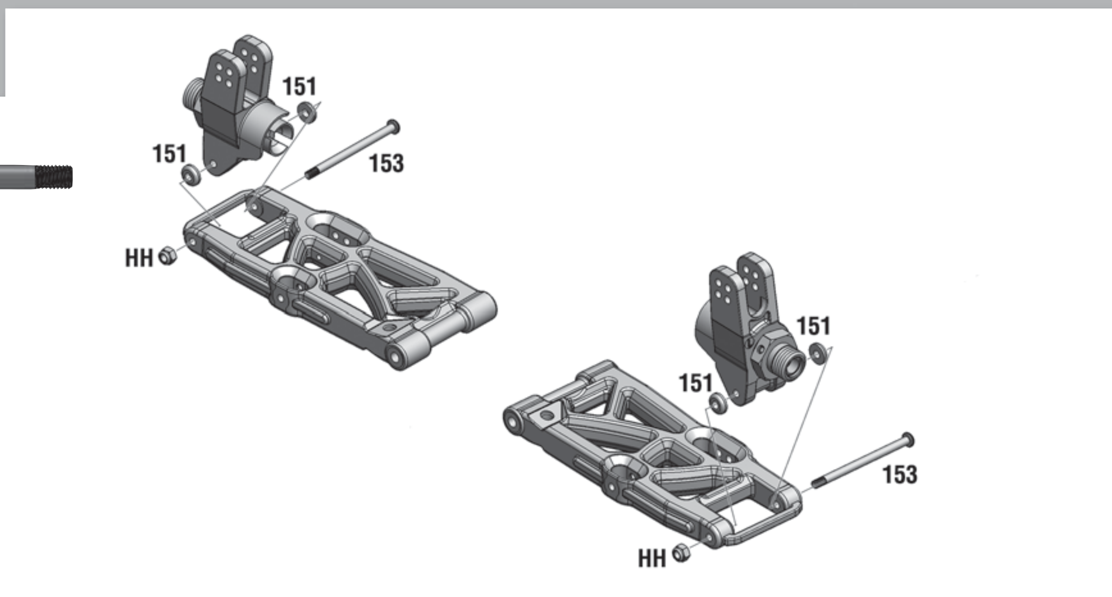


HH (x2)
3mm



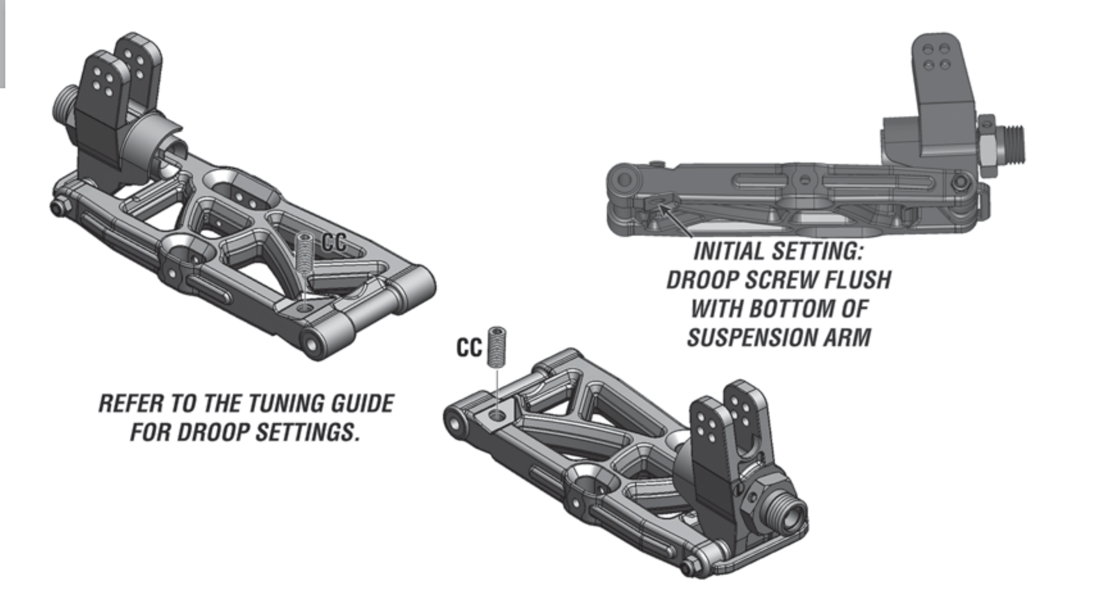
153 (x2)
3x45mm

30



CC (x2)
4x12mm

31



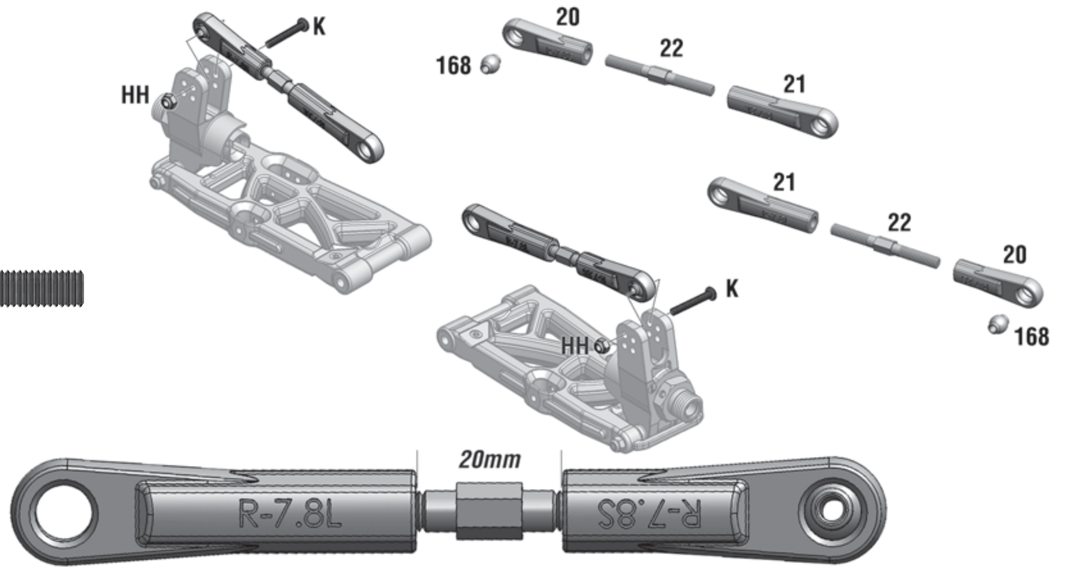
HH (x2)
3mm

K (x2)
3x22mm

22 (x2)
5x50mm

168 (x2)

32



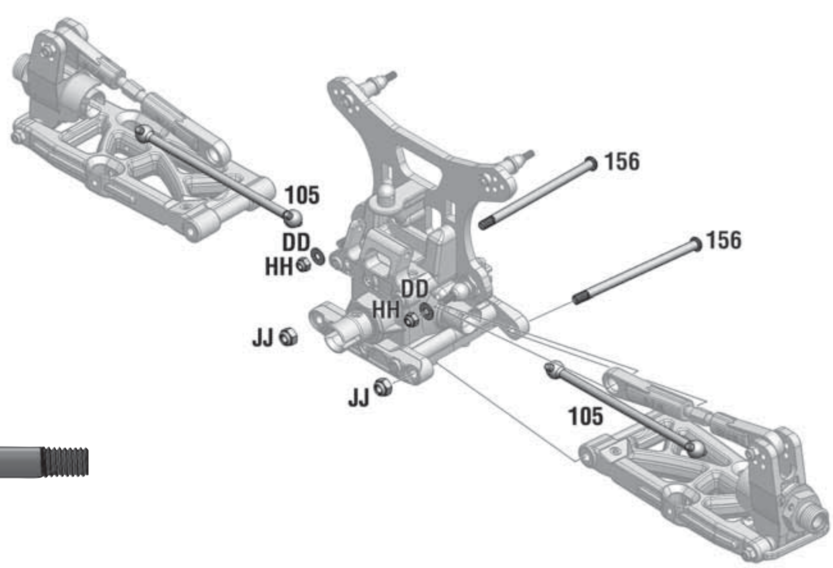
DD (x2)
3x8mm

HH (x2)
3mm

JJ (x2)
4mm

156 (x2)
4x62mm

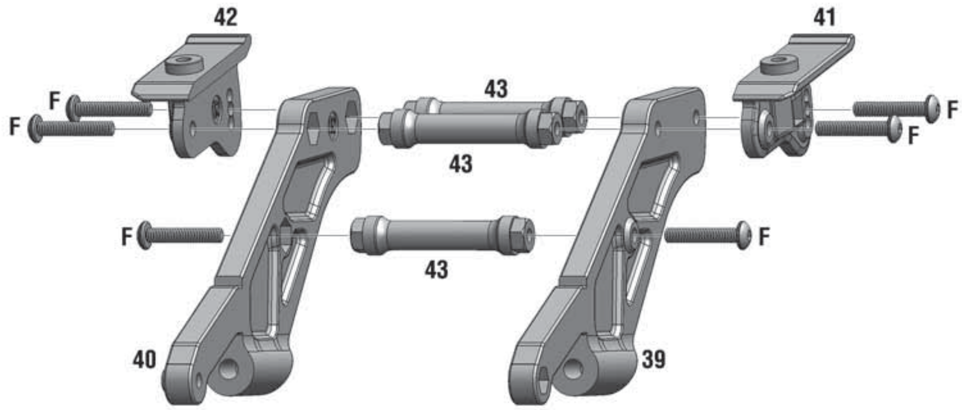
33





F (x6)
3x12mm

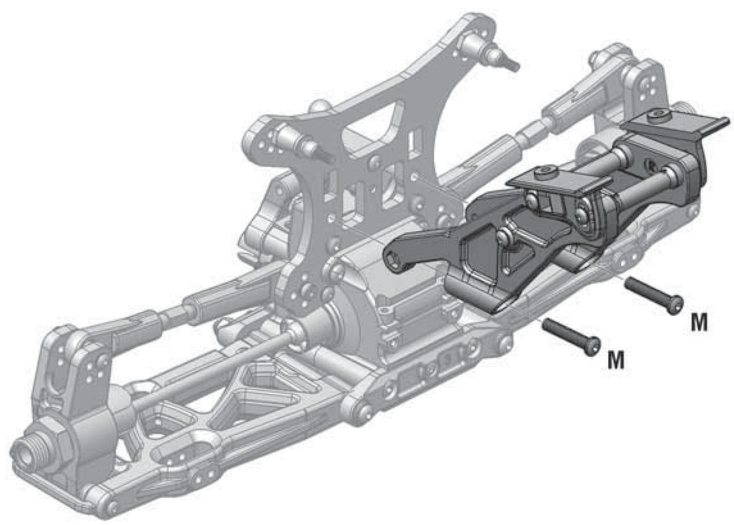
34





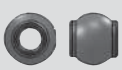
M (x2)
4x20mm

35



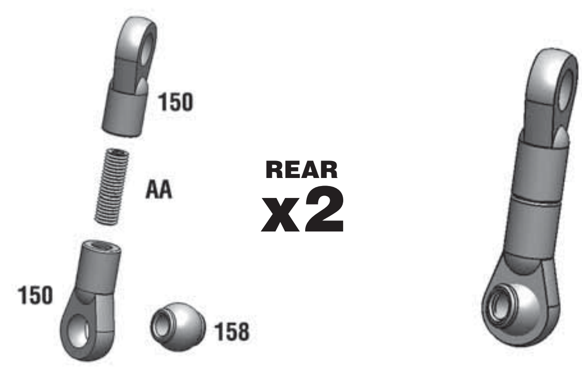


AA (x2)
3x10mm



158 (x2)

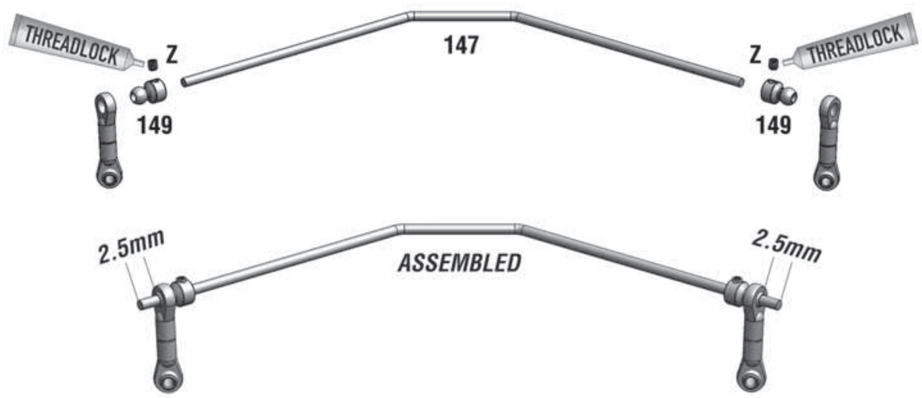
36



Z (x2)
3x3mm

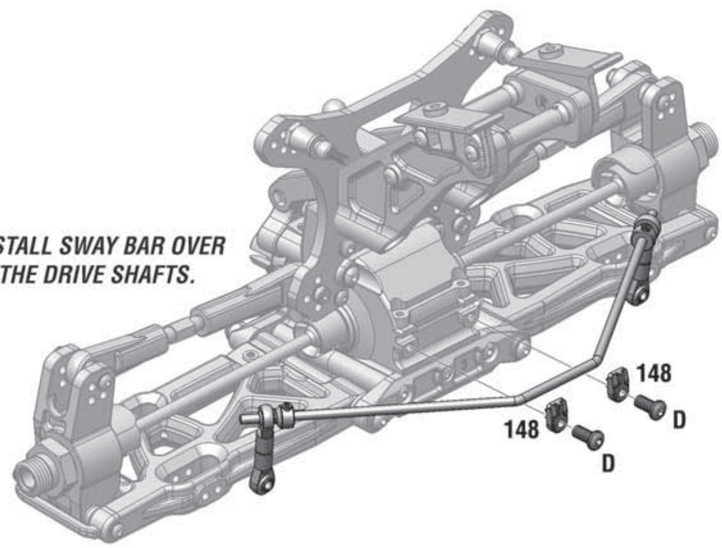
149 (x2)

37



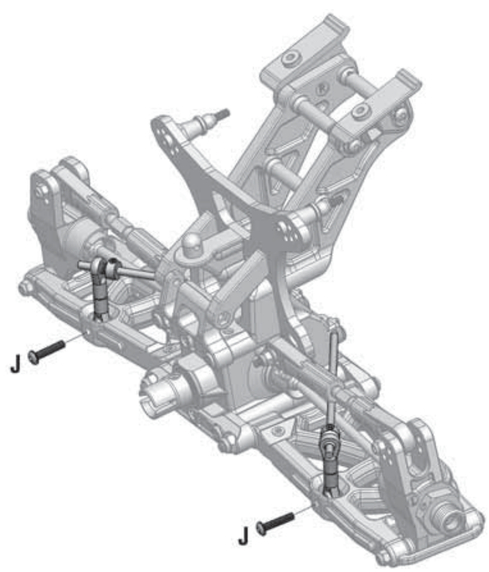
D (x2)
3x8mm

38



J (x2)
3x18mm

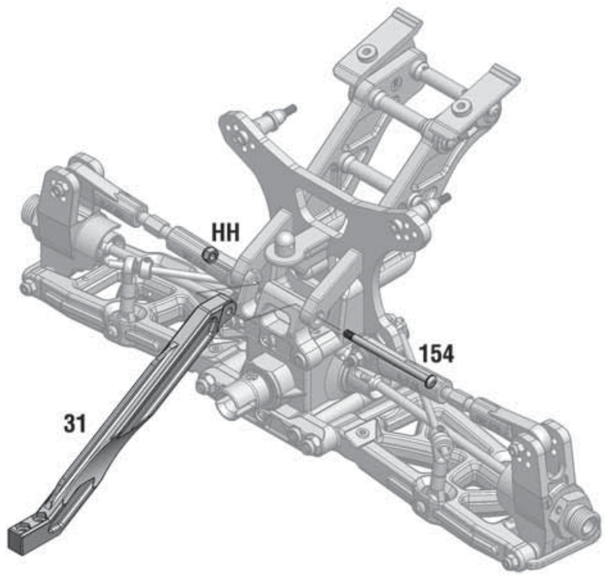
39



HH (x1)
3mm

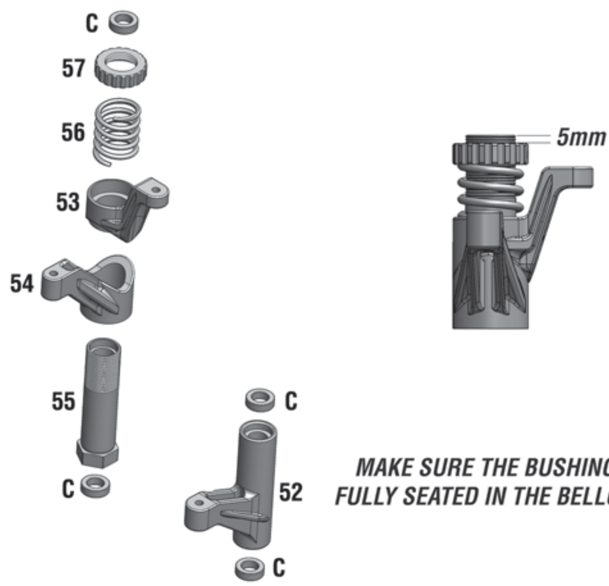
154 (x1)
3x50mm

40



C (x4)
6x10mm

41

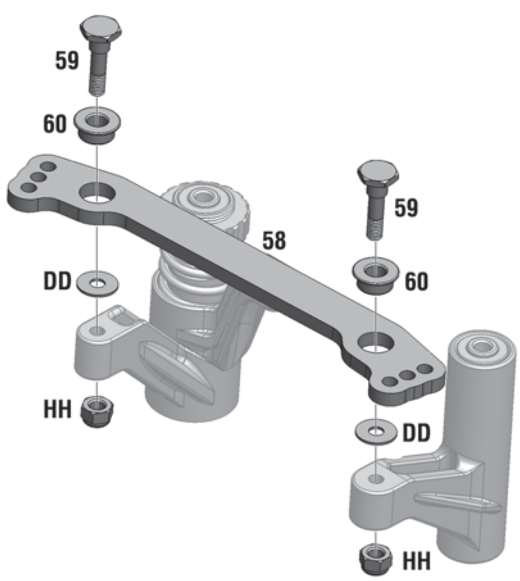


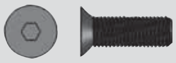
MAKE SURE THE BUSHINGS ARE FULLY SEATED IN THE BELLCRANKS.

DD (x2)
3x8mm

HH (x2)
3mm

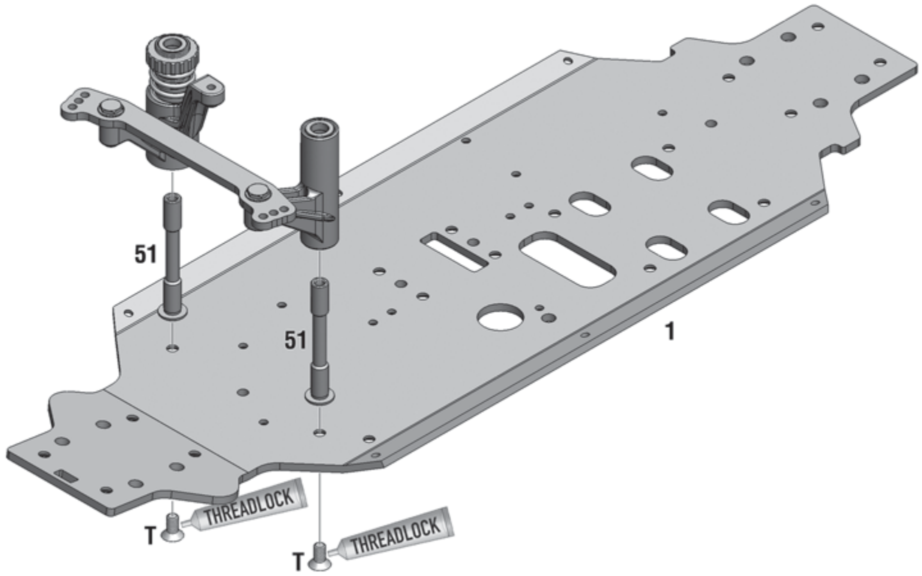
42

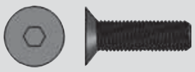




T (x2)
4x12mm

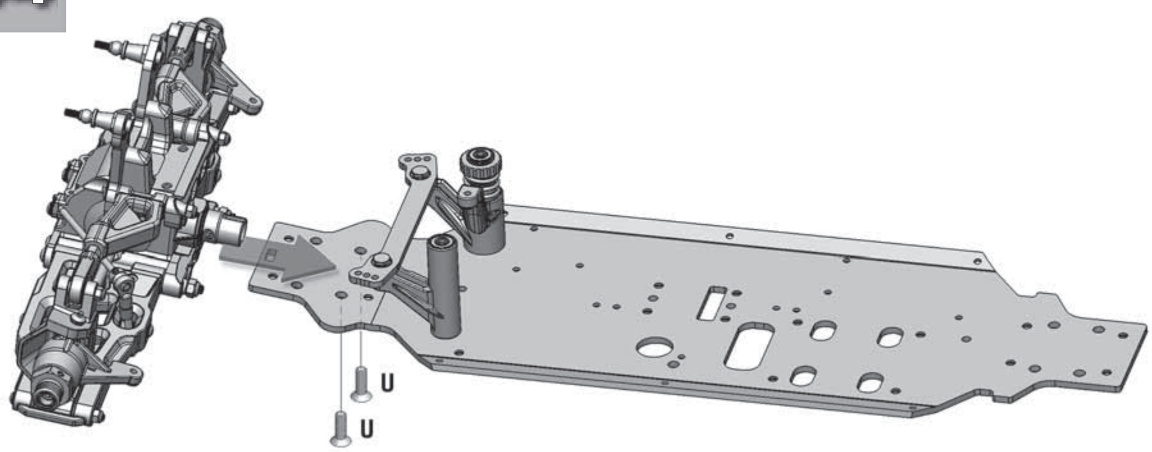
43

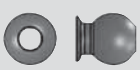




U (x2)
4x14mm

44



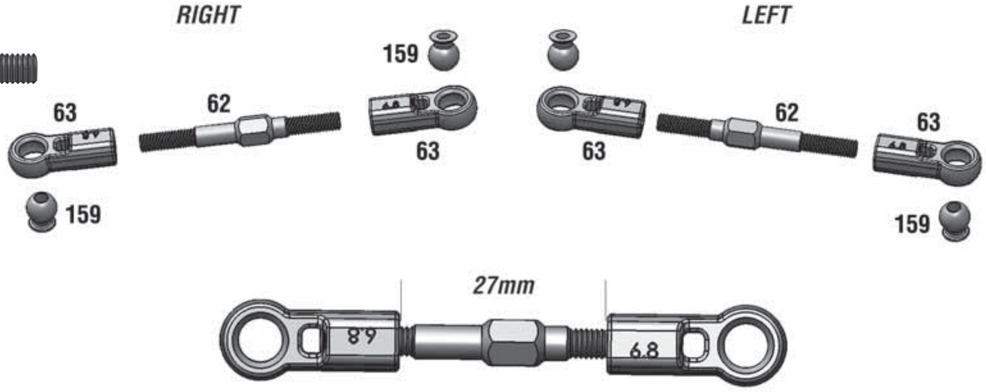


159 (x4)



62 (x2)
4x45mm

45



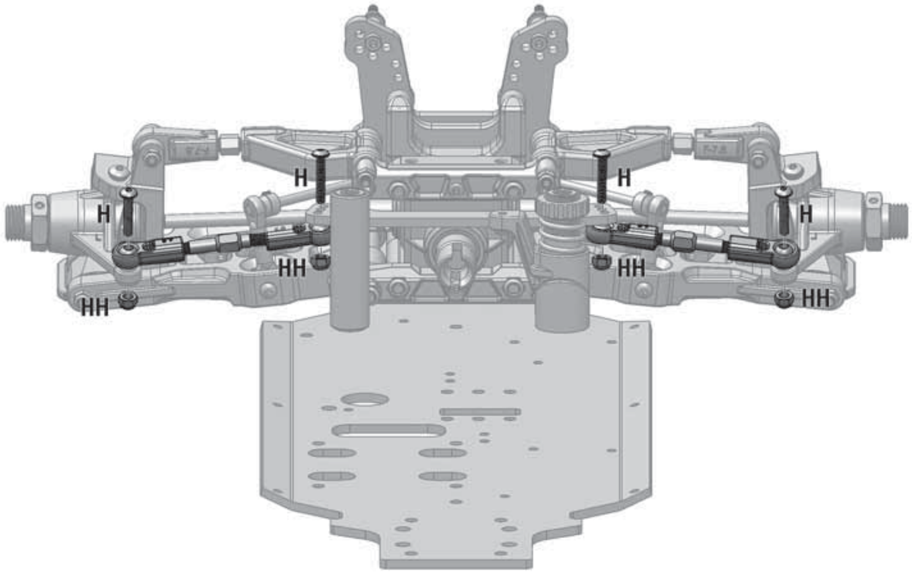


H (x4)
3x16mm



HH (x4)
3mm

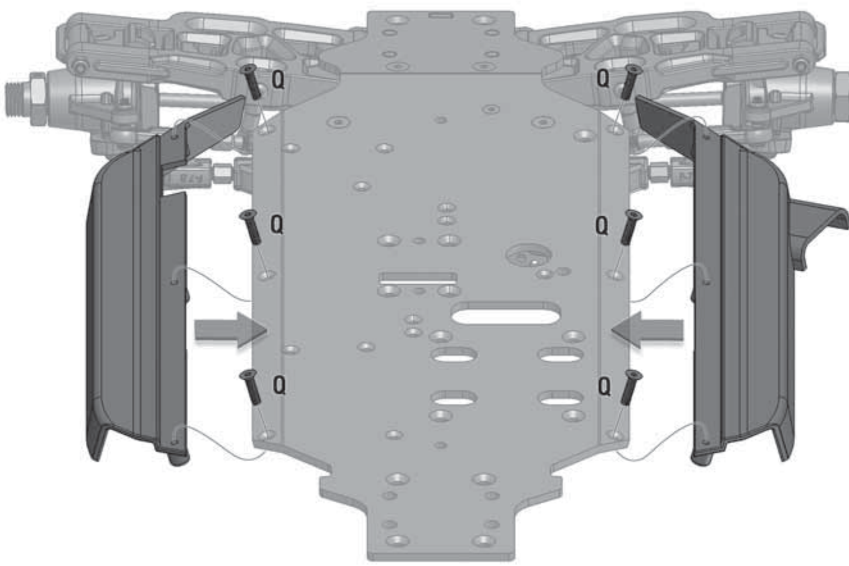
46

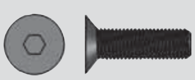




Q (x6)
3x10mm

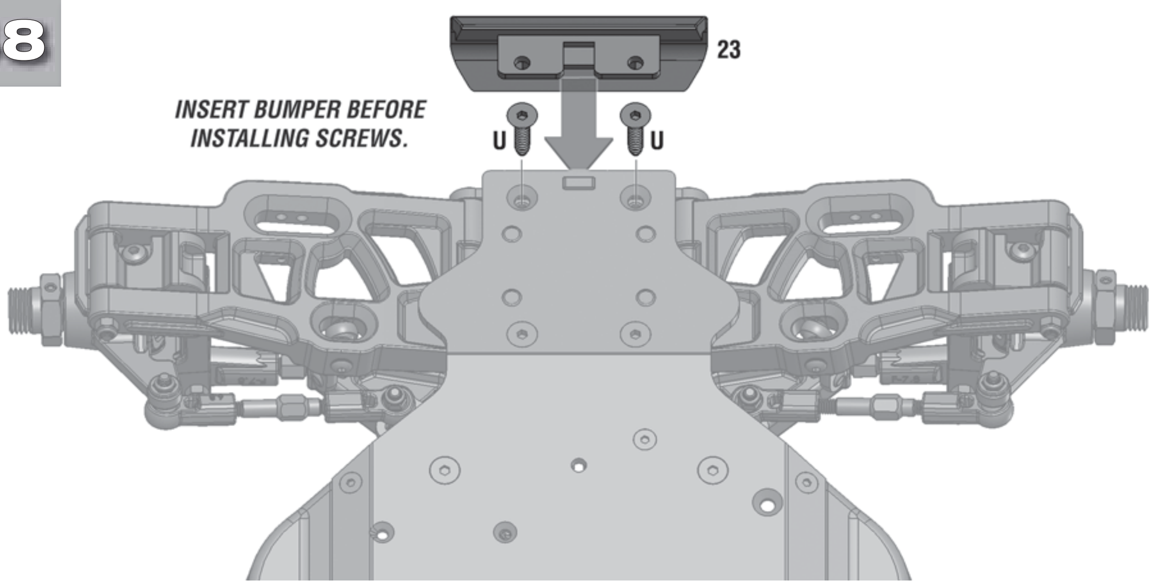
47





U (x2)
4x14mm

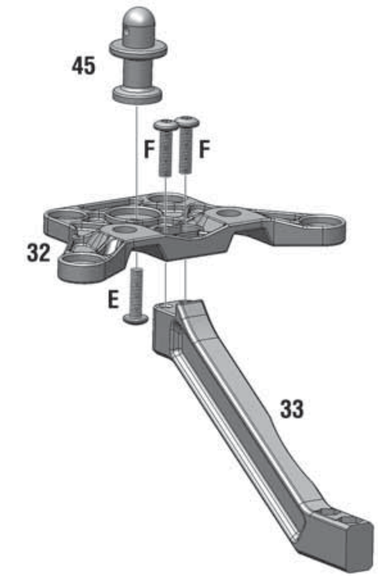
48



E (x1)
3x10mm

F (x2)
3x12mm

49

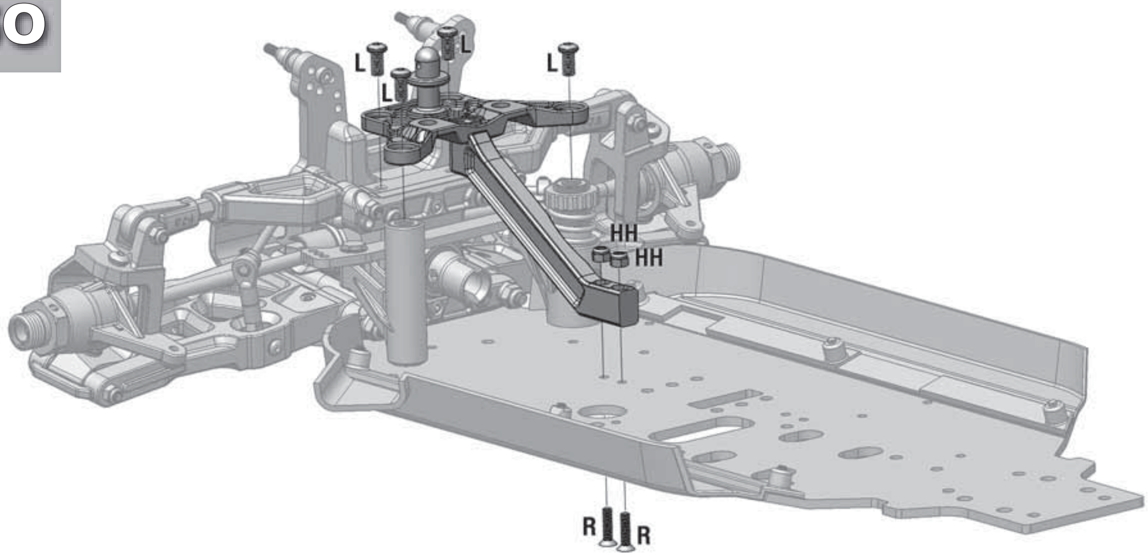


L (x4)
4x12mm

R (x2)
3x12mm

HH (x2)
3mm

50

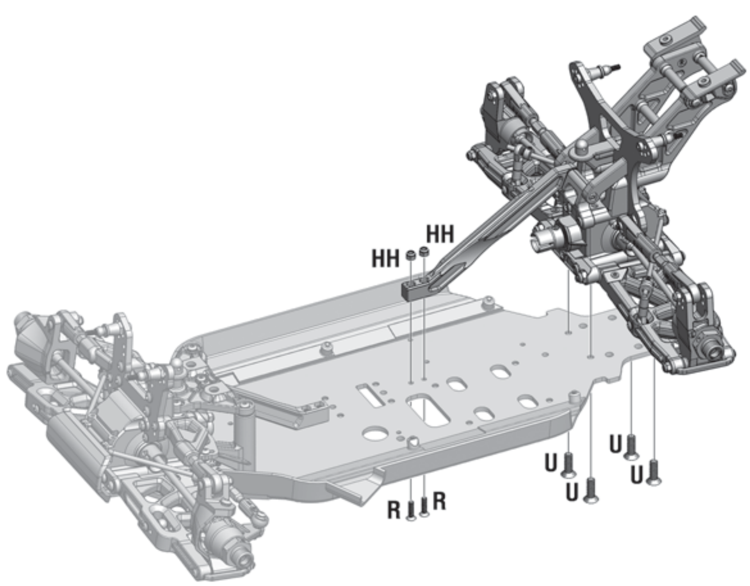


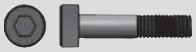
R (x2)
3x12mm

U (x4)
4x14mm

HH (x2)
3mm

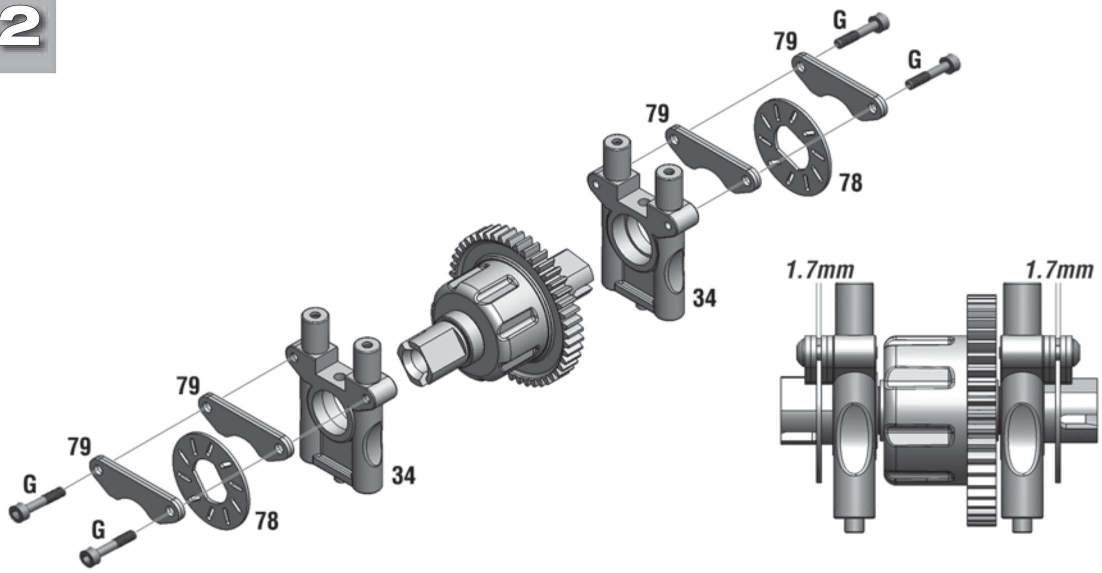
51





G (x4)
3x15mm

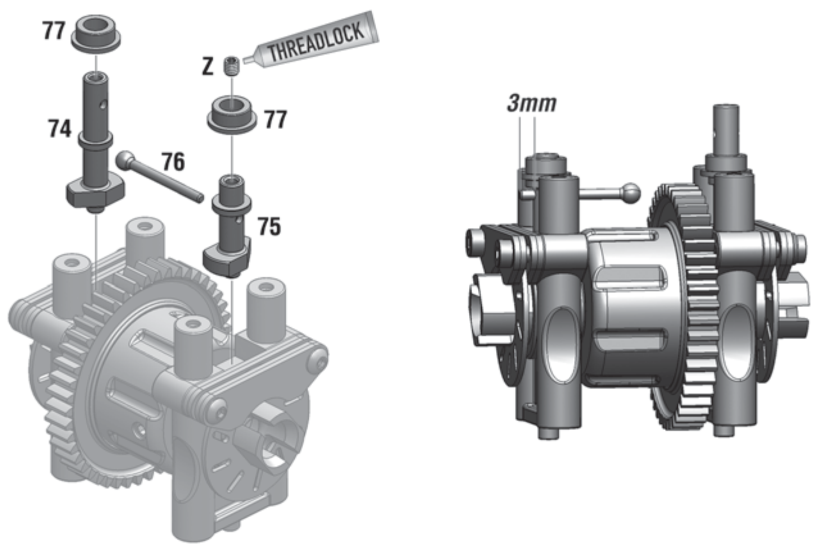
52





Z (x1)
3x3mm

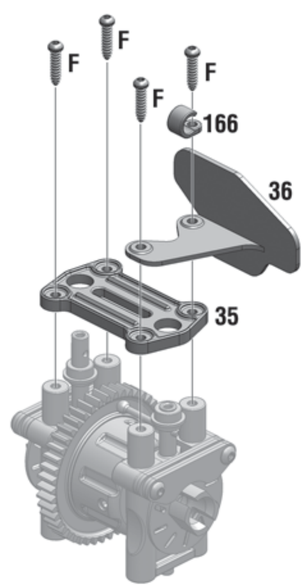
53





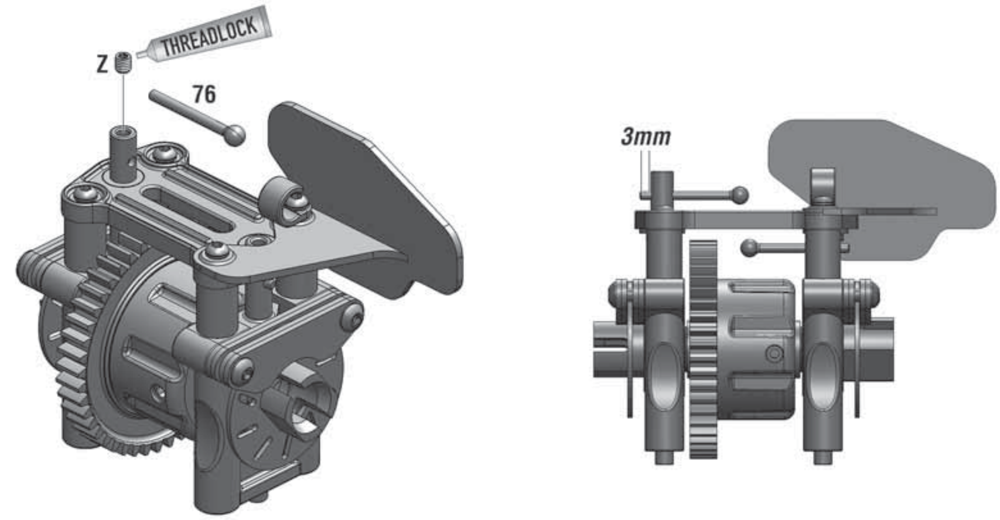
F (x4)
3x12mm

54



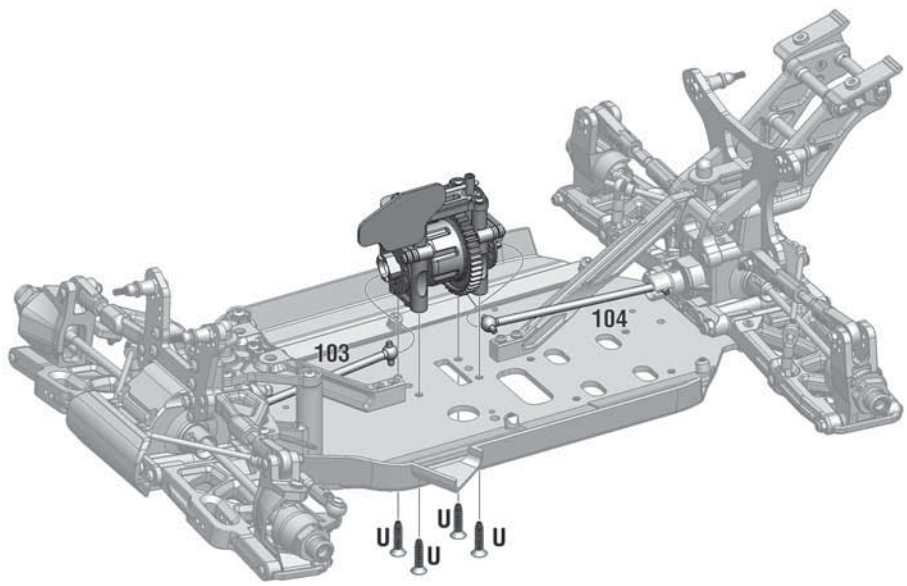
Z (x1)
3x3mm

55



U (x4)
4x14mm

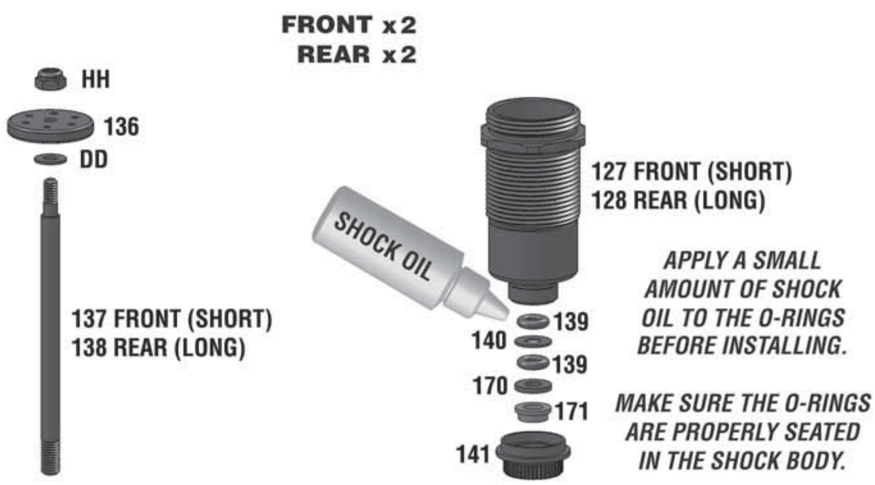
56



DD (x2)
3x8mm

HH (x2)
3mm

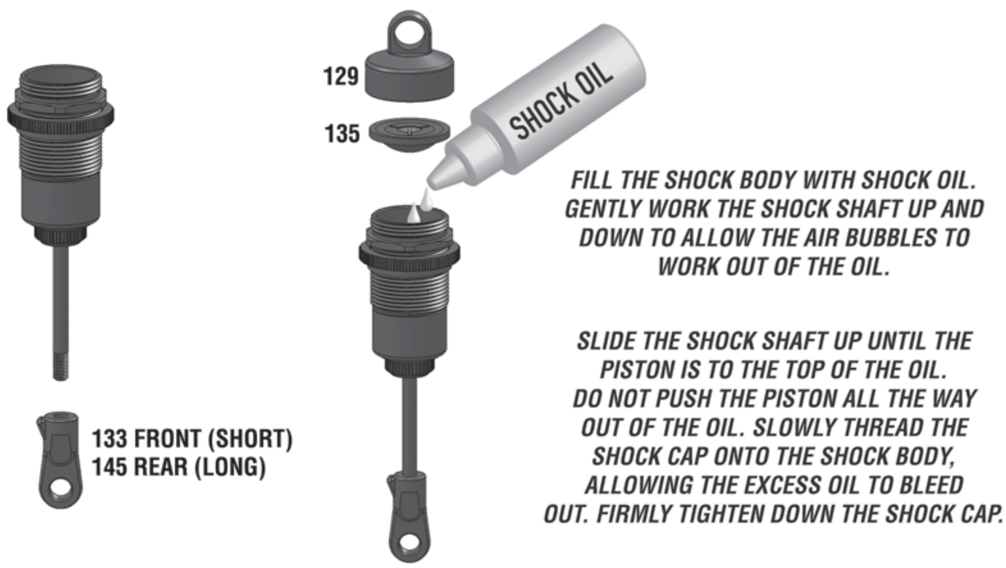
57

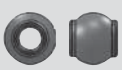


58



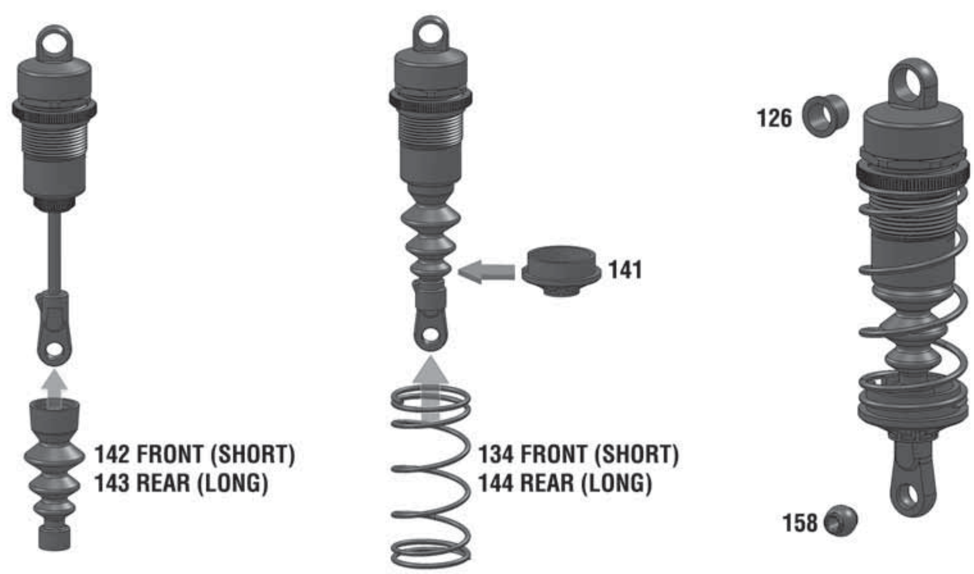
59





158 (x4)
3mm

60

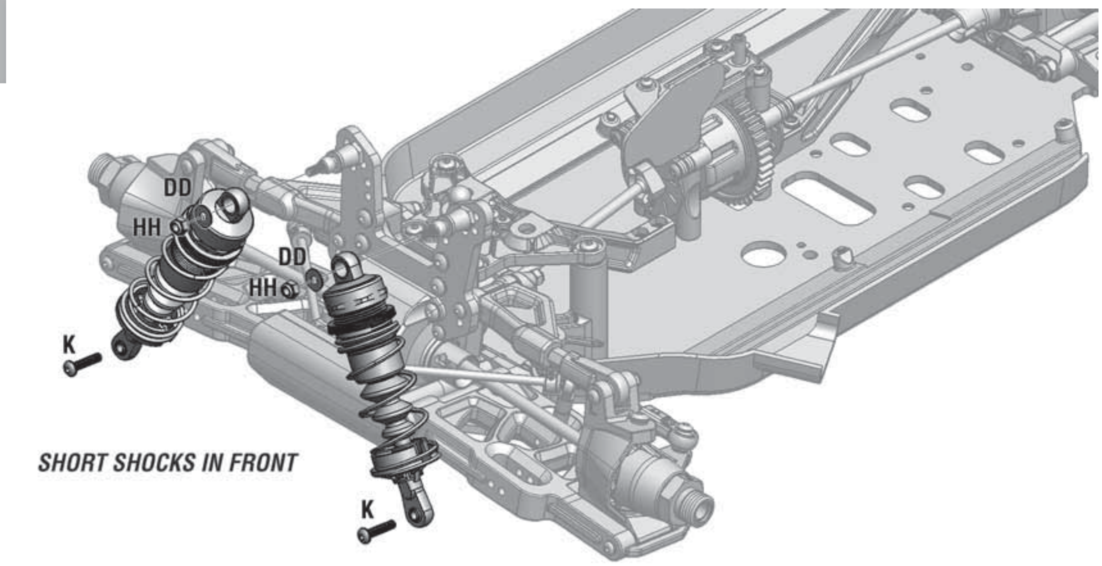


61


K (x2)
3x22mm


DD (x2)
3x8mm


HH (x2)
3mm

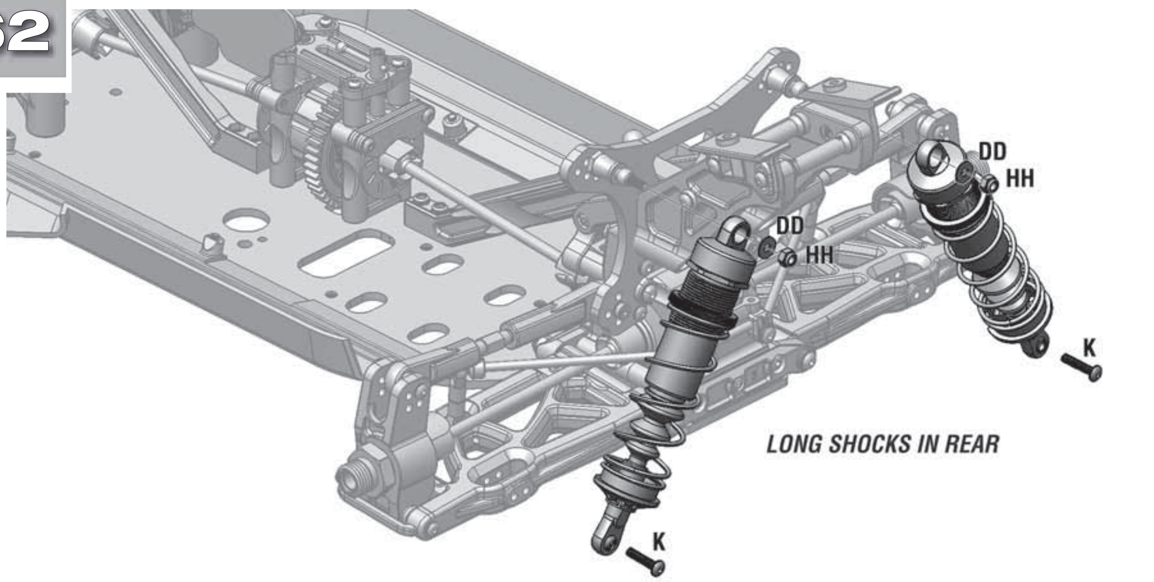


62


K (x2)
3x22mm

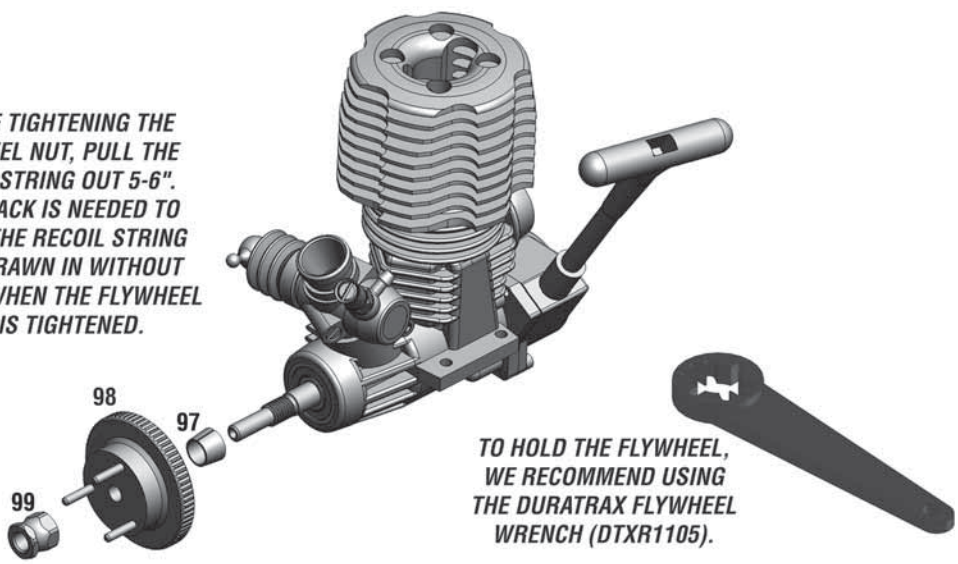

DD (x2)
3x8mm


HH (x2)
3mm

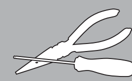


63

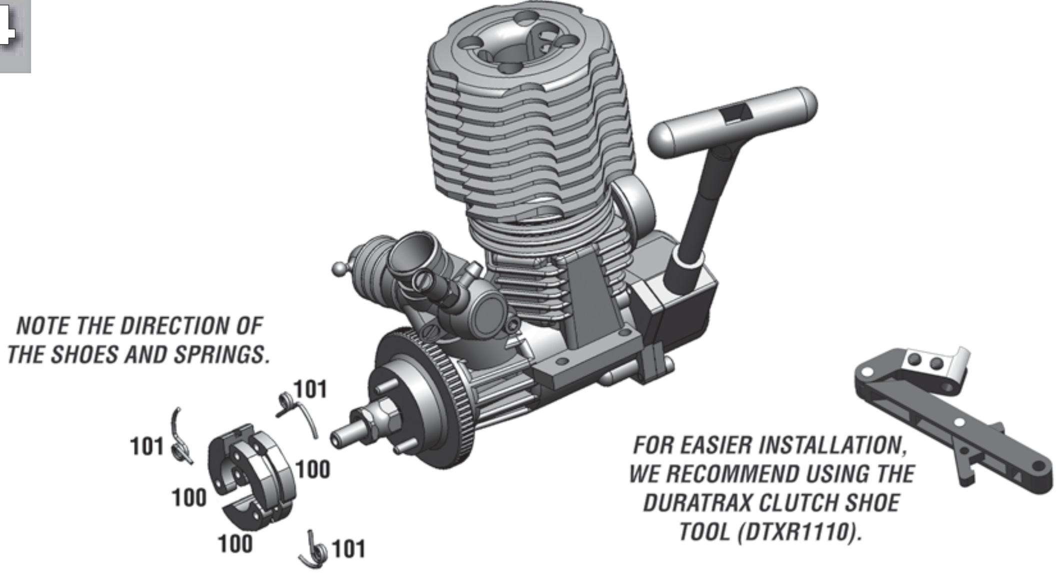
BEFORE TIGHTENING THE FLYWHEEL NUT, PULL THE RECOIL STRING OUT 5-6". THIS SLACK IS NEEDED TO ALLOW THE RECOIL STRING TO BE DRAWN IN WITHOUT BINDING WHEN THE FLYWHEEL NUT IS TIGHTENED.



TO HOLD THE FLYWHEEL, WE RECOMMEND USING THE DURATRAX FLYWHEEL WRENCH (DTXR1105).



64





A (x2)
5x10mm



V (x1)
3x10mm

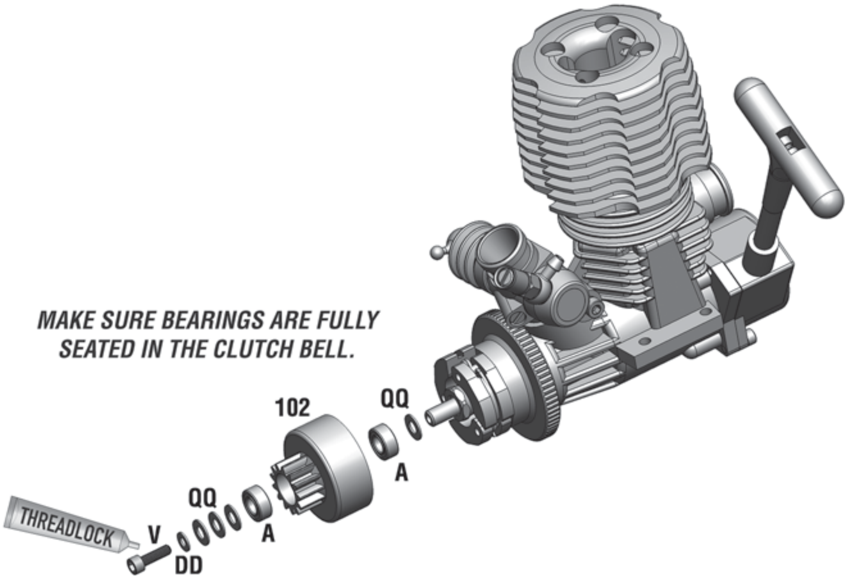


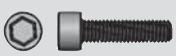
DD (x1)
3x8mm



QQ (x4)
5x8x0.3mm

65



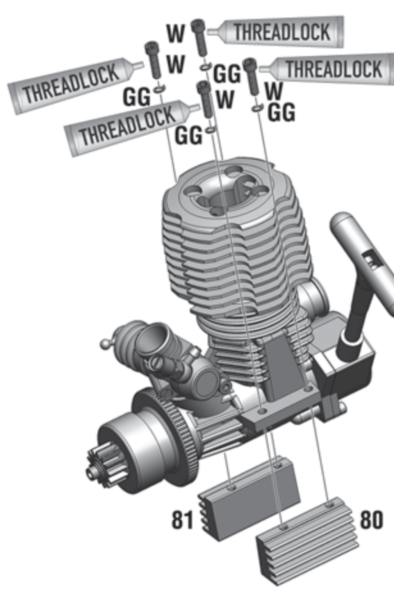


W (x4)
3x12mm

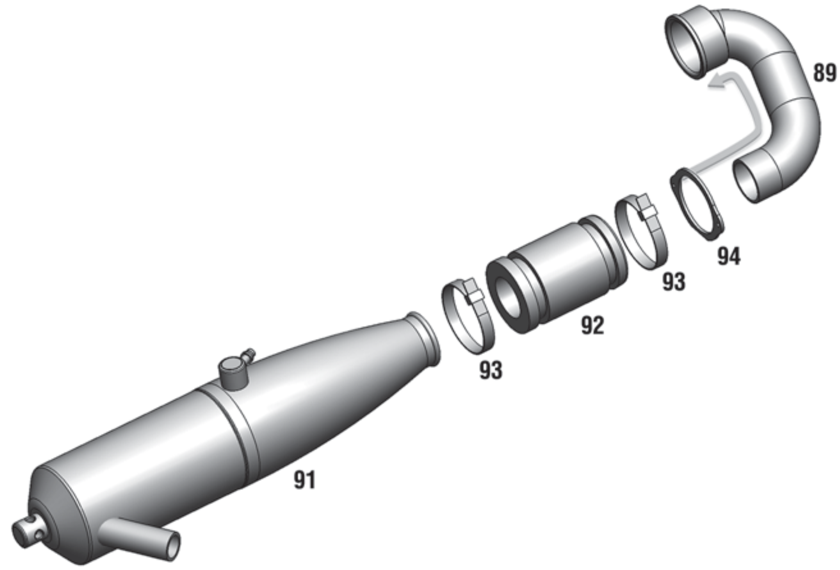


GG (x4)
3mm

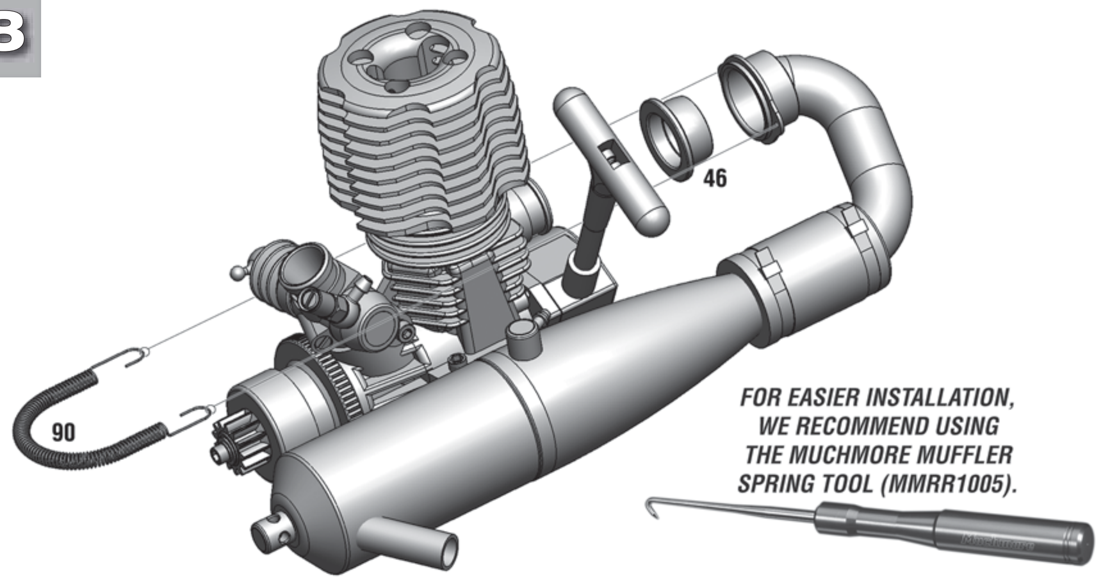
66

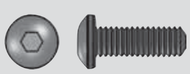


67



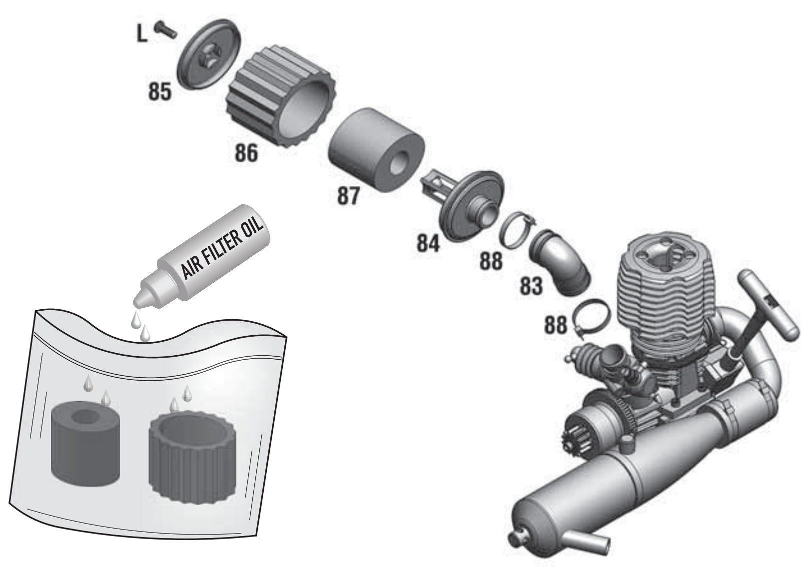
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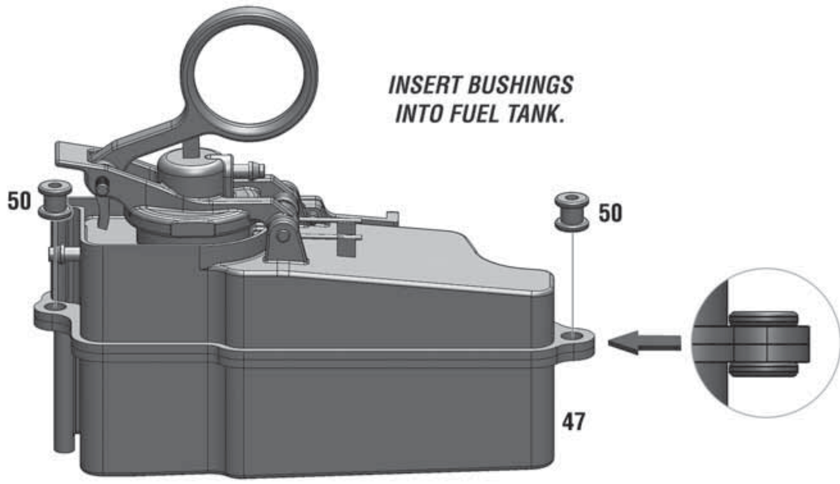


L (x1)
4x12mm

69



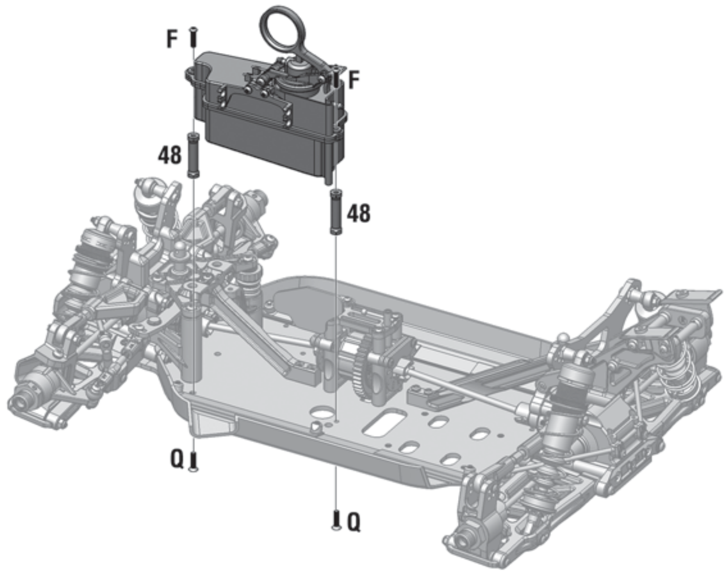
70



71

F (x2)
3x12mm

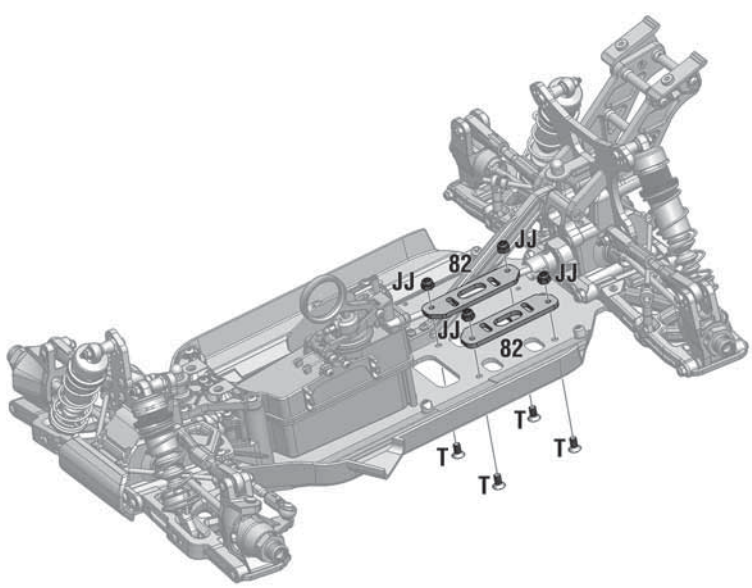
Q (x2)
3x10mm

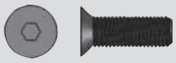


72

T (x1)
4x12mm

JJ (x4)
4mm



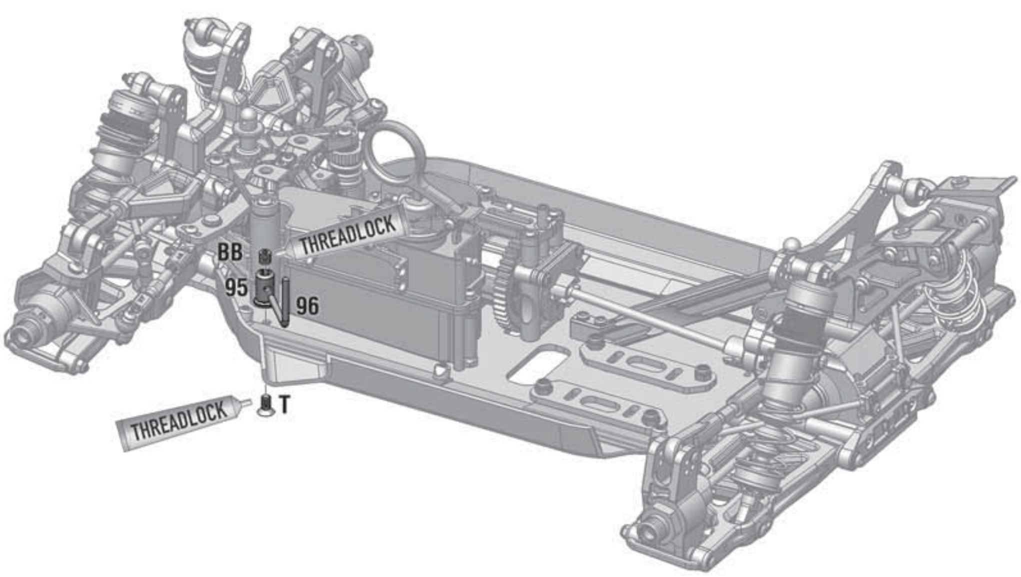


T (x1)
4x12mm



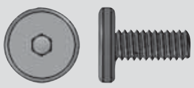
BB (x1)
4x5mm

73



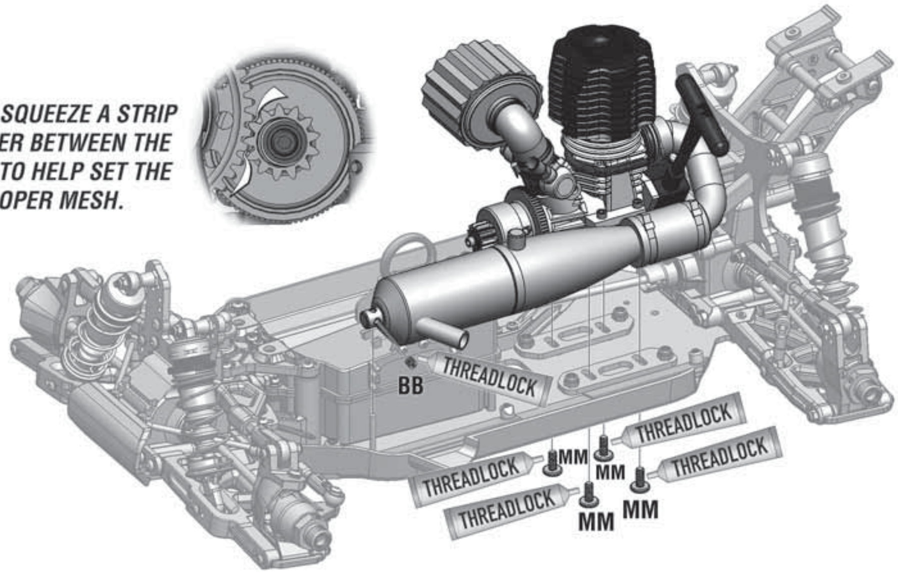


BB (x1)
4x5mm



MM (x4)
4x10mm

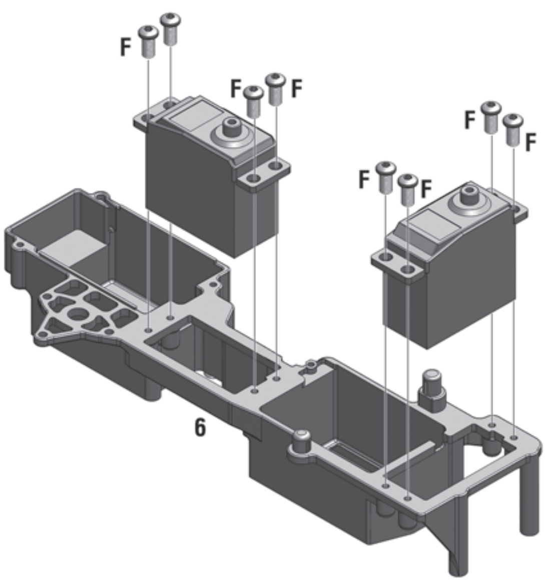
74



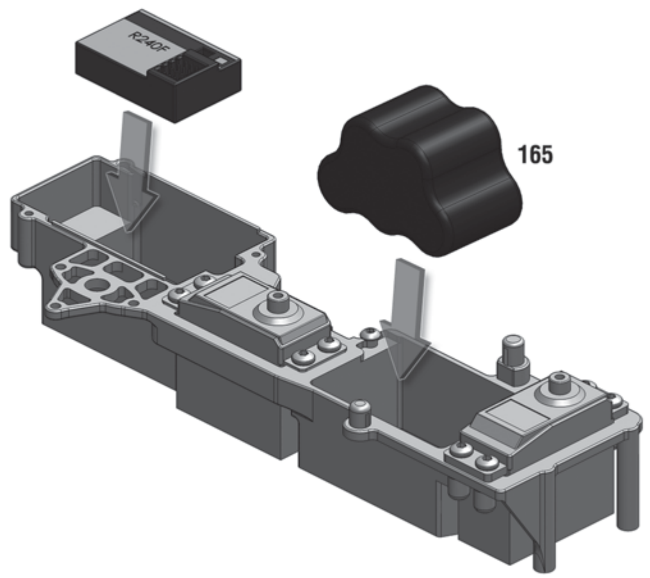


F (x8)
3x12mm

75



76



E (x3)



E (x3)
3x10mm

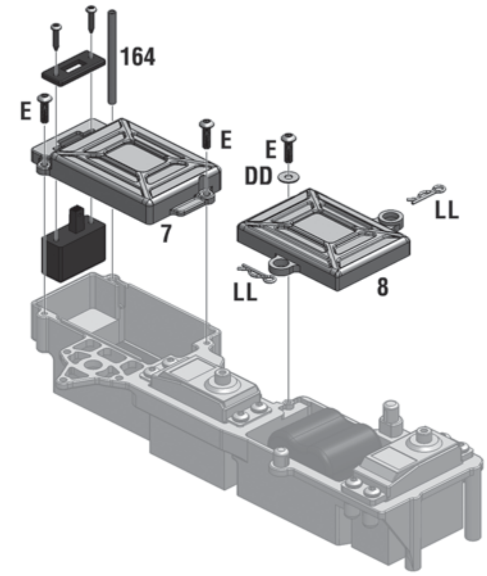


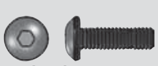
DD (x1)
3x8mm



LL (x2)

77





E (x1)
3x10mm



H (x1)
3x16mm



P (x1)
2.6x6mm

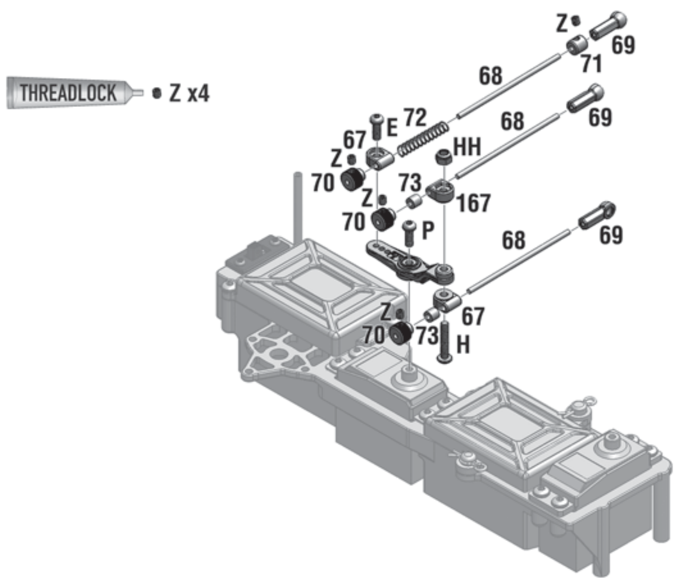


Z (x4)
3x3mm



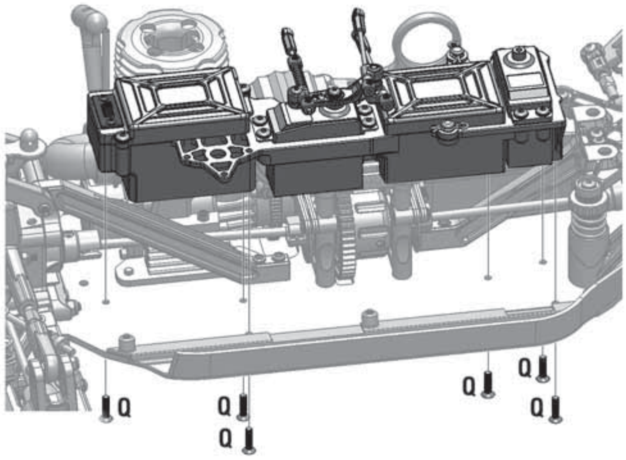
HH (x1)
3mm

78

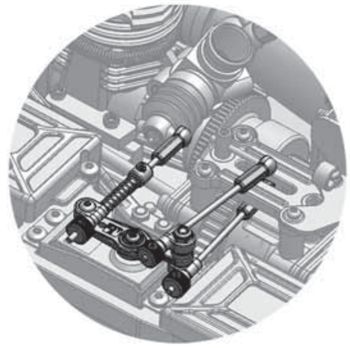


Q (x6)
3x10mm

79



ATTACH LINKAGES TO THROTTLE AND BRAKE LEVERS.

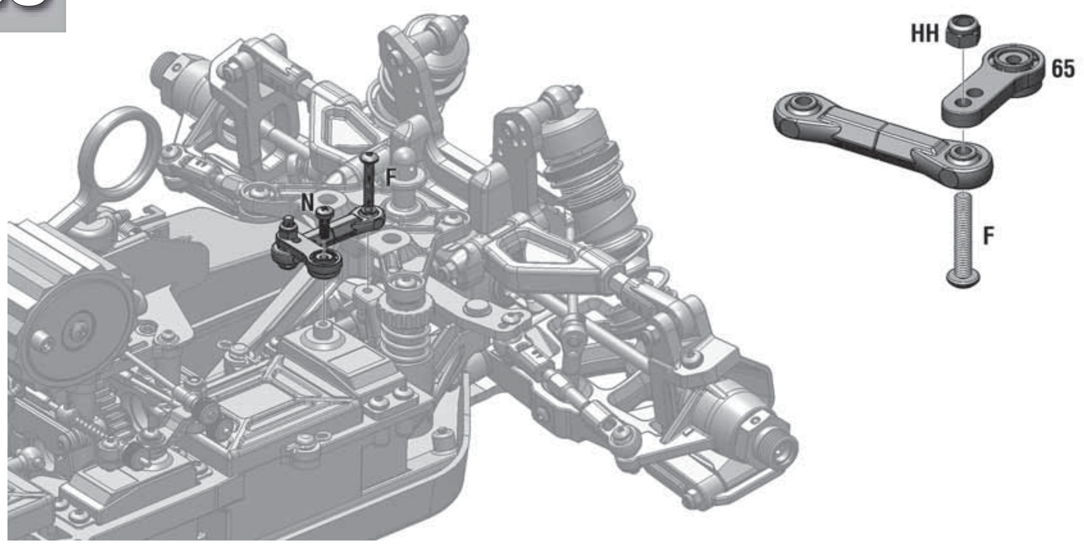


F (x2)
3x12mm

N (x1)
3x8mm

HH (x4)
3mm

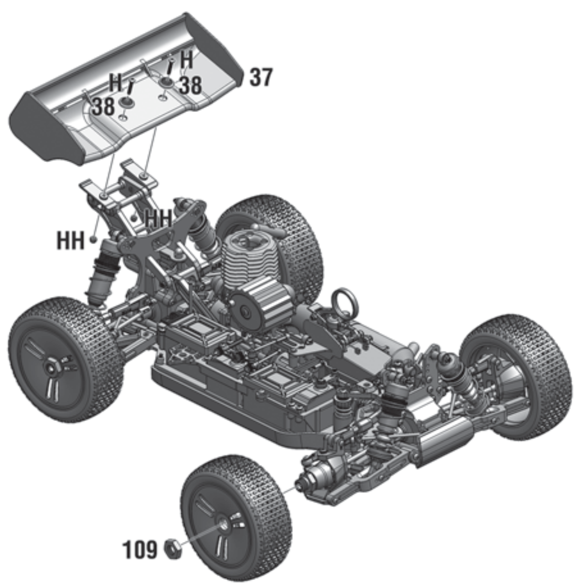
80



H (x2)
3x16mm

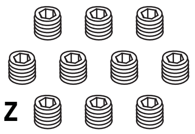
HH (x2)
3mm

81

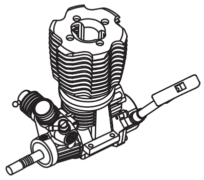


REPLACEMENT PARTS

PARTS LISTS, PARTS SETS, AND EXPLODED VIEWS



3x3mm Set Screws
DTXC8660



G-27CX Engine w/SG Crankshaft
DTXG0256



Front Ball Bearing
DTXG0351



Rear Ball Bearing
DTXG0364



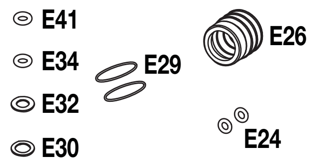
Carburetor Dust Boot
DTXG0404



Carburetor Body
DTXG0408



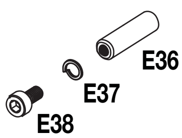
Carburetor Slide Valve
DTXG0413



Carburetor Gasket Set
DTXG0432



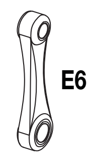
Carburetor Complete
DTXG0444



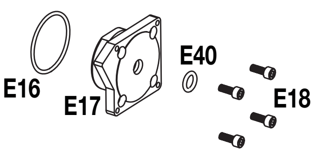
Carburetor Retainer Set
DTXG0461



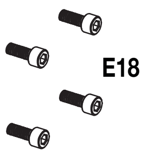
Carburetor O-Ring
DTXG0469



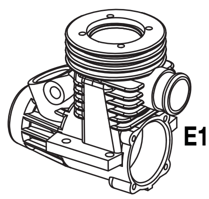
Connecting Rod
DTXG0474



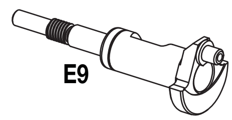
Backplate Set
DTXG0491



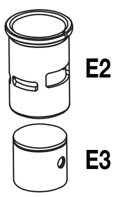
Backplate Screw Set
DTXG0509



Crankcase
DTXG0527



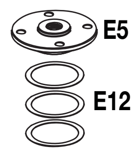
SG Crankshaft
DTXG0539



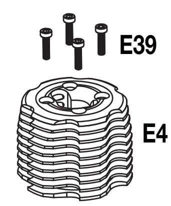
Piston/Cylinder Set
DTXG0546



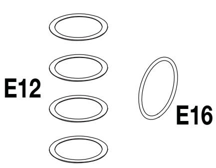
Fuel Inlet Nozzle Set
DTXG0556



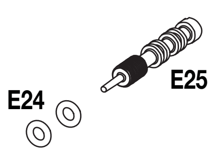
Head Button & Shim Set
DTXG0574



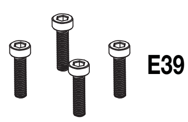
Cylinder Head w/Screws
DTXG0579



Engine Gasket Set
DTXG0596



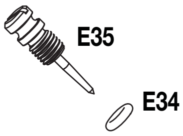
Low Speed Needle Set
DTXG0598



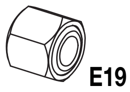
Cylinder Head Screws
DTXG0610



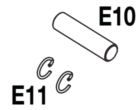
High Speed Needle Socket
DTXG0618



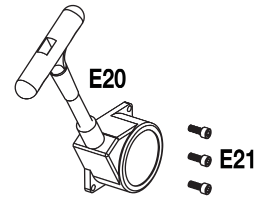
High Speed Needle Set
DTXG0621



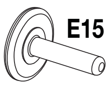
One-Way Bearing
DTXG0637



Piston Pin Set
DTXG0646



Recoil Starter Set
DTXG0756



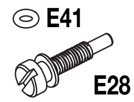
Start Shaft
DTXG0771



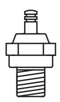
Start Shaft Pin
DTXG0777



Throttle Arm
DTXG0801



Throttle Stop Screw
DTXG0814

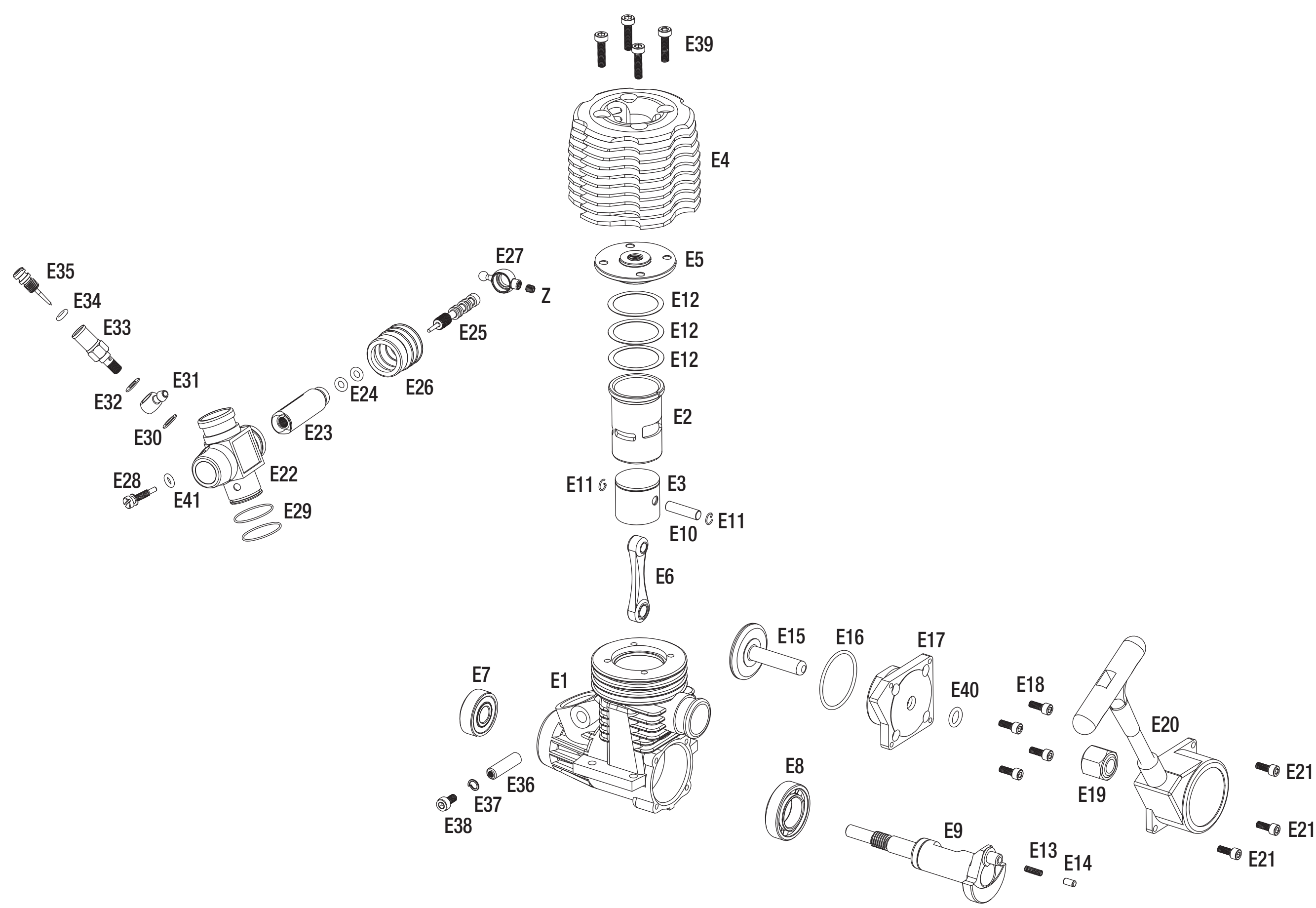


Silver Sport Glow Plug
DTXG3001

ENGINE PARTS

This parts list shows the key number, part description, and stock number for the replacement parts sets. When more than one stock number is listed, that part is available in multiple replacement parts sets. For contents found in each replacment parts set, refer to the illustrated parts guide.

E1 Crankcase........DTXG0527
E2 Cylinder Sleeve........DTXG0546
E3 Piston........DTXG0546
E4 Cylinder Head (Blue)........DTXG0579
E5 Head Button........DTXG0574
E6 Connecting Rod........DTXG0474
E7 Front Bearing........DTXG0351
E8 Rear Bearing........DTXG0364
E9 SG Crankshaft........DTXG0539
E10 Piston Pin........DTXG0646
E11 Piston Pin Retainer........DTXG0646
E12 Head Shim........DTXG0596, DTXG0574
E13 Start Shaft Pin Spring........DTXG0777
E14 Start Shaft Pin........DTXG0777
E15 Start Shaft........DTXG0771
E16 Backplate Gasket........DTXG0596, DTXG0491
E17 Backplate (for Recoil)........DTXG0491
E18 3 x 6mm Backplate Screw........DTXG0509, DTXG0491
E19 One-Way Bearing........DTXG0637
E20 Recoil Starter........DTXG0756
E21 3 x 5mm Recoil Starter Screw........DTXG0756
E22 Carburetor Body........DTXG0408, DTXG0444
E23 Slide Valve........DTXG0413, DTXG0444
E24 Low Speed Needle O-Ring........DTXG0598, DTXG0432, DTXG0444
E25 Low Speed Needle Valve........DTXG0598, DTXG0444
E26 Carb Dust Boot........DTXG0404, DTXG0432, DTXG0444
E27 Throttle Arm........DTXG0801, DTXG0444
E28 Throttle Stop Screw........DTXG0814, DTXG0444
E29 Carburetor O-Ring......DTXG0469. DTXG0432, DTXG0444
E30 4 x 7.5 x .5mm Gasket........DTXG0432, DTXG0556, DTXG0444
E31 Fuel Inlet Nozzle........DTXG0556, DTXG0444
E32 5 x 7.5 x .5mm Gasket........DTXG0432, DTXG0556, DTXG0444
E33 High Speed Needle Socket........DTXG0618, DTXG0444
E34 High Speed Needle O-Ring........DTXG0621, DTXG0432, DTXG0444
E35 High Speed Needle Valve........DTXG0621, DTXG0444
E36 Carburetor Retainer Pin........DTXG0461
E37 3.5mm Lock Washer........DTXG0461
E38 3.5 x 5mm Carb Retainer Screw........DTXG0461
E39 3 x 15mm Cylinder Head Screw.... DTXG0610, DTXG0579
E40 Small Backplate O-Ring........DTXG0491
E41 Throttle Stop Screw O-Ring........DTXG0814, DTXG0432



Tools & Accessories

Body Scissors & Reamer

Stainless steel blades of body scissors cut through plastics without tearing. The reamer has a sharp tip with fluted blades to remove debris as you cut.



DTXR1150 Curved Tip Body Scissors
DTXR1151 Straight Tip Body Scissors
DTXR1158 Body Reamer
DTXR1160 Straight Tip Body Scissors & Reamer (2-Piece Set)
DTXR1161 Straight/Curved Tip Body Scissors & Reamer (3-Piece Set)

Pit Tech™ Camber Gauge

Made of durable black plastic, this gauge easily and accurately measures camber settings in 1° increments from 10° positive to 10° negative.

DTXR1146



Pit Tech Tire Glue

Specially formulated to form a lasting bond between your wheels and rubber tires, Tire Glue comes in two 0.5 oz (14.8 mL) formulas: quicker-drying Thin and slower-curing Medium.

DTXR2000 Thin
DTXR2002 Medium



Body Repair Tape

Use this flexible, open-weave nylon mesh tape together with Shoe Goo to repair Lexan®, ABS plastic and wood. Rolls measure 2″ x 6′ (50.8 mm x 1.8 m).

DTXR1210



Pit Tech Threadlocker

This medium-strength threadlocking compound prevents metal fasteners from loosening under vibration. Each bottle contains 0.2 oz (5.9 mL). Not recommended for plastics.

DTXR2010



Servo Tape

Double-sided adhesive tape measures 1 in (25.4 mm) in width — perfect for standard servos, as well as many other sizes and applications. Contains 36 in (914.4 mm) per roll.

DTXR1215



Shoe Goo® II

Clear, nonflammable Shoe Goo compound is strong, yet flexible when dry. It's ideal for body repairs, mounting servos, building battery packs and more.

DTXC2460



Pit Mats

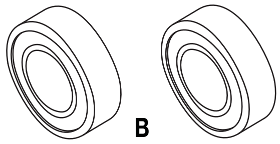
The 5 x 5 in (63.5 x 63.5 mm) size is ideal for small parts and hardware. The 29 x 19 in (736.6 x 482.6 mm) has room for your vehicle, heli or small plane, too. Both are made of durable, solvent- and fuel-resistant rubber.

DTXP2045 5 x 5 in Pit Mat (63.5 x 63.5 mm)
DTXP2050 29 x 19 Pit Mat (736.6 x 482.6 mm)

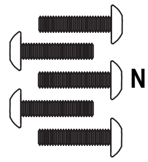




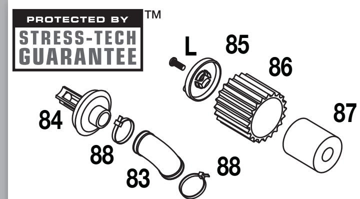
5x10mm Ball Bearing
DTXC1535



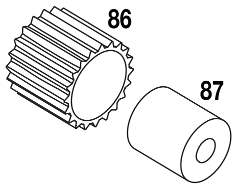
8x16mm Ball Bearing
DTXC1585



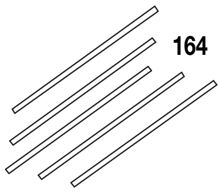
3x6mm B/H Screw
DTXC4390



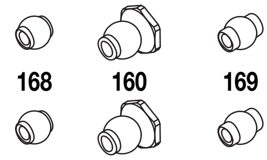
Air Filter Set
DTXC6114



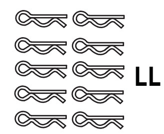
Air Filter Foam
DTXC6115



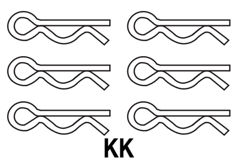
Antenna Tube
DTXC6161



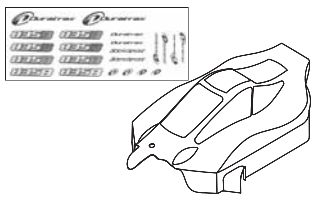
3mm Ball Set
DTXC6191



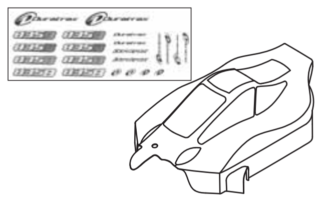
Body Clips (Small)
DTXC6442



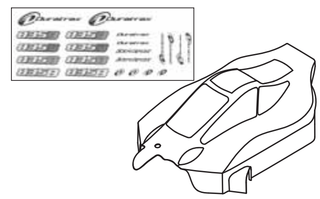
Body Clips (Large)
DTXC6472



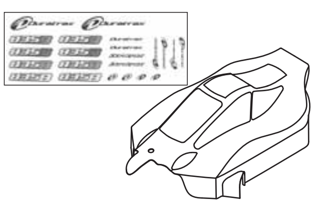
Blue Body w/Decals
DTXC6562



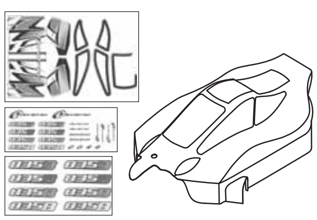
Orange Body w/Decals
DTXC6563



Red Body w/Decals
DTXC6564



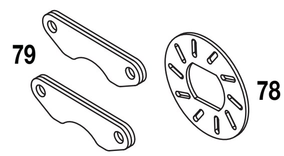
Yellow Body w/Decals
DTXC6565



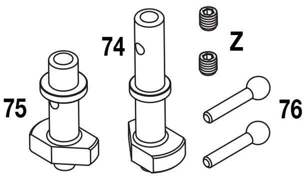
Clear Body w/Decals
DTXC6566



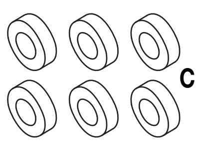
Chassis Brace Set
DTXC6598



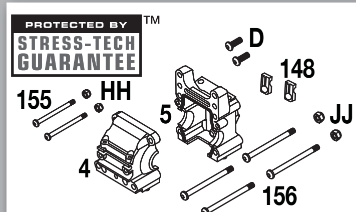
Brake Disk and Pad Set
DTXC6694



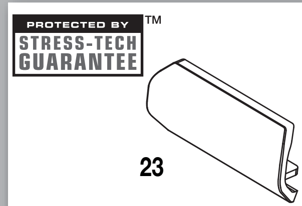
Brake Cam Set
DTXC6704



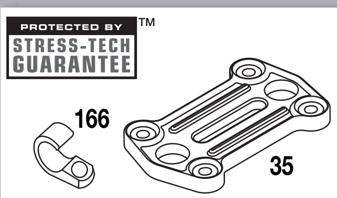
6x10mm Bushing
DTXC6781



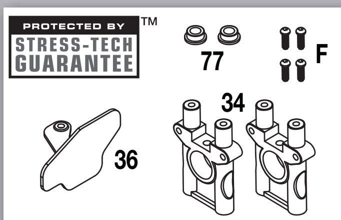
Bulkhead/Gearbox Set
DTXC6831



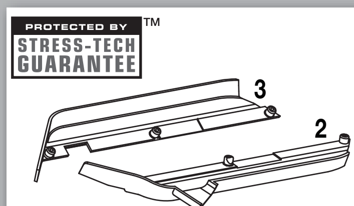
Front Bumper
DTXC6915



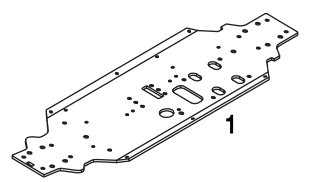
Center Brace
DTXC6952



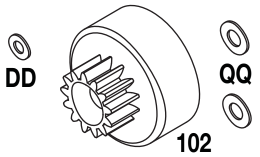
Center Diff Mount Set
DTXC6953



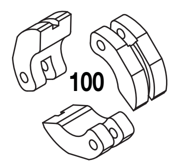
Side Pod Set
DTXC6970



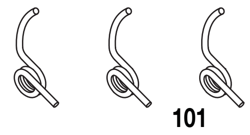
Hard Anodized Chassis
DTXC6971



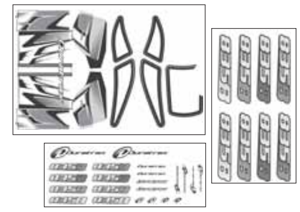
13T Clutch Bell
DTXC7138



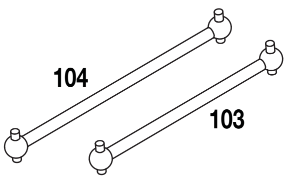
Clutch Shoe Set
DTXC7163



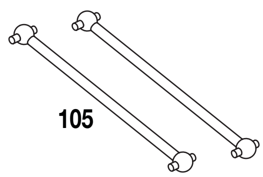
Clutch Spring Set
DTXC7168



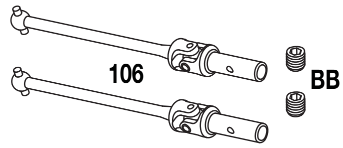
Decal Set
DTXC7297



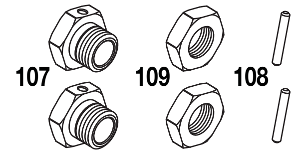
Center Dogbone Set
DTXC7501



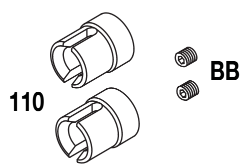
Rear Dogbone Set
DTXC7502



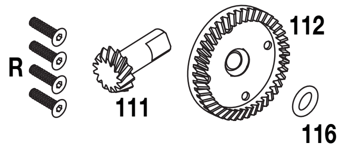
Universal Drive Shaft Set
DTXC7503



Drive Hex w/Wheel Nut Set
DTXC7504

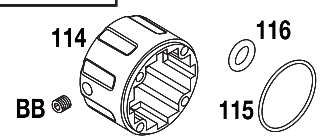


Center Drive Joint Set
DTXC7512

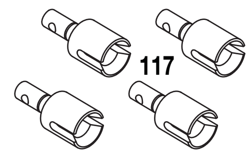


Diff Ring & Pinion Gear
DTXC7513

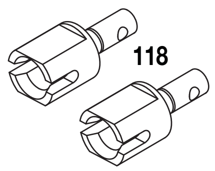
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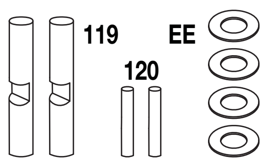
Diff Case Set
DTXC7514



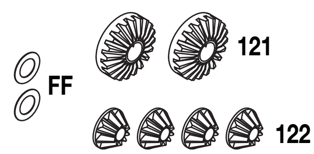
Front/Rear Diff Output Joint Set
DTXC7515



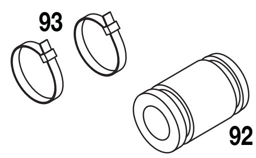
Center Diff Output Joint Set
DTXC7516



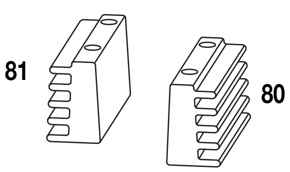
Diff Shaft Set
DTXC7517



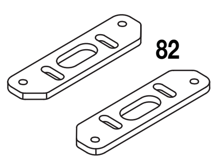
Diff Bevel Gear Set
DTXC7518



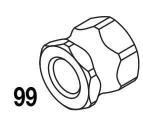
Exhaust Coupler Set
DTXC7604



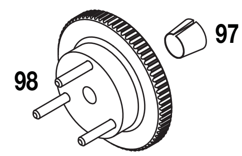
Engine Mount Block Set
DTXC7618



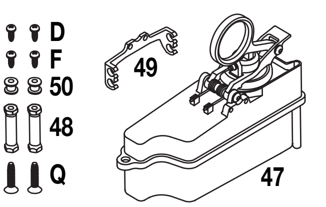
Engine Mount Plate Set
DTXC7619



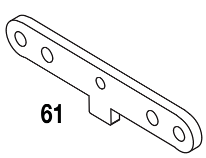
Clutch Nut
DTXC7657



Flywheel and Collet
DTXC7712

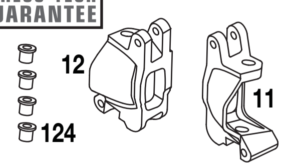


Fuel Tank w/Mount Set
DTXC7821



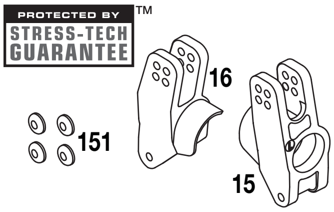
Aluminum Front Hinge Pin Mount
DTXC7974

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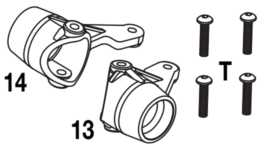


Front Hub Carrier Set
DTXC8093

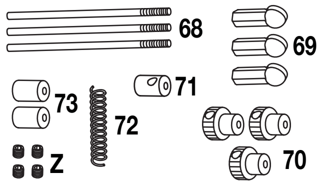
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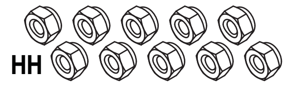
Rear Hub Set
DTXC8094



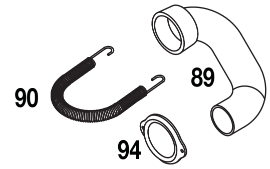
Front Knuckle Arm Set
DTXC8234



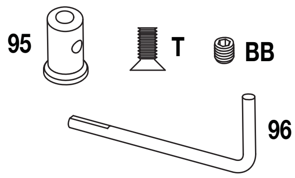
Throttle/Brake Link Set
DTXC8235



3mm Lock Nuts
DTXC8240

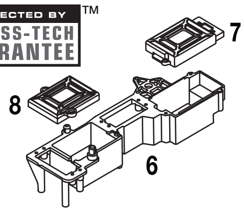


Exhaust Manifold Set
DTXC8291

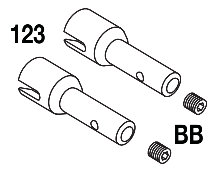


Pipe Mount Set
DTXC8321

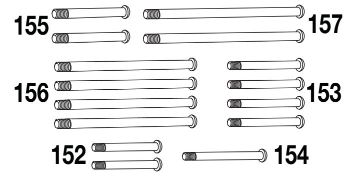
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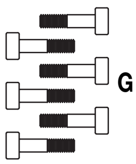
Radio Box Set
DTXC8396



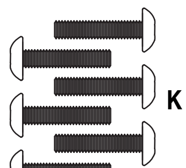
Rear Axle Set
DTXC8456



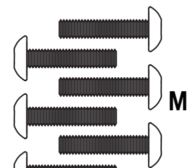
Screw Pin Set
DTXC8601



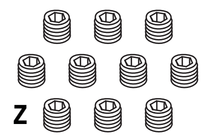
3x15mm H/H Shoulder Screw
DTXC8651



3x22mm B/H Screws
DTXC8652



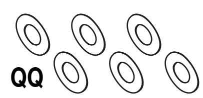
4x20mm B/H Screws
DTXC8657



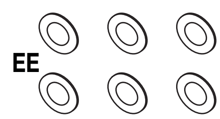
3x3mm Set Screws
DTXC8660



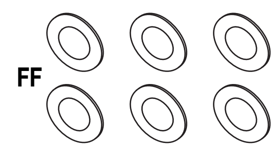
3x10mm Set Screws
DTXC8661



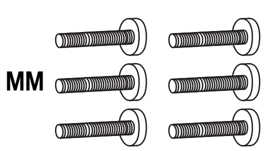
5x8x0.3mm Clutch Bell Washers
DTXC8696



4x7mm Washers
DTXC8697

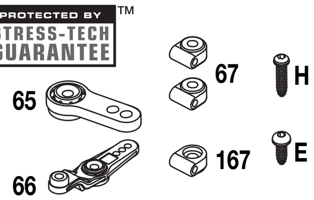


6x10mm Washers
DTXC8698

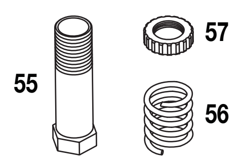


4x10mm Motor Mount Screws
DTXC8699

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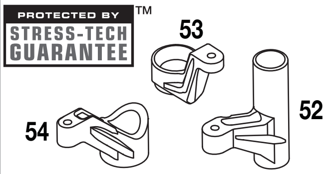


Servo Arm Set
DTXC8806

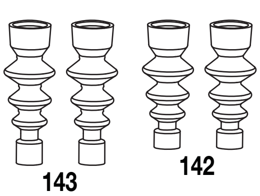


Servo Saver Shaft, Spring, and Adjuster
DTXC8842

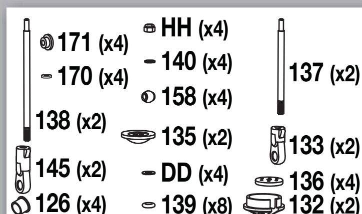
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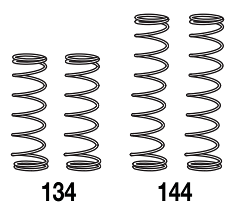
Servo Saver Plastic Parts Set
DTXC8843



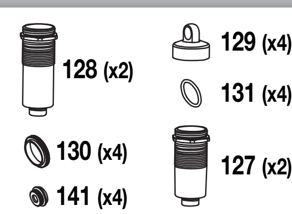
Shock Boot Set
DTXC8944



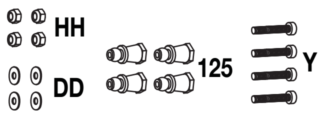
Shock Parts Set
DTXC8945



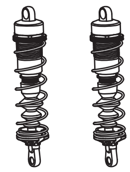
Shock Spring Set
DTXC8946



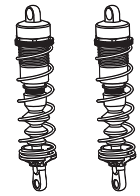
Shock Body Set
DTXC8947



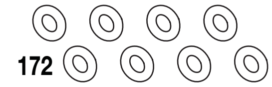
Upper Shock Mount Set
DTXC8948



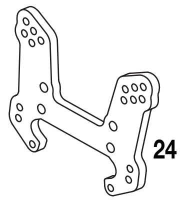
Assembled Front Shocks
DTXC8982



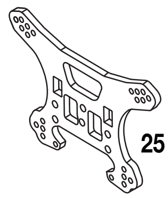
Assembled Rear Shocks
DTXC8983



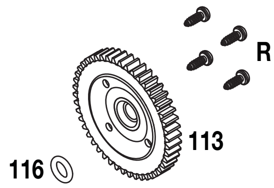
4x8mm O-Rings
DTXC9289



Front Shock Tower
DTXC9292

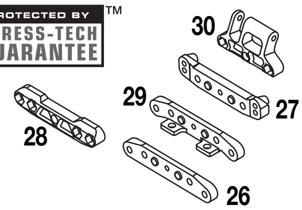


Rear Shock Tower
DTXC9293



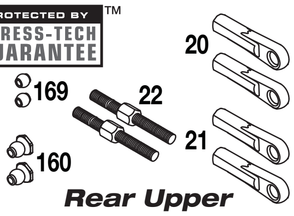
46T Spur Gear
DTXC9329

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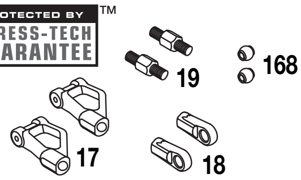
Suspension Mount Set
DTXC9338

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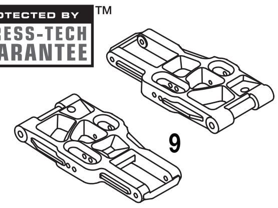
Rear Upper Suspension Arm Set
DTXC9339

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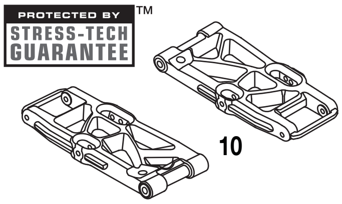
Front Upper Suspension Arm Set
DTXC9340

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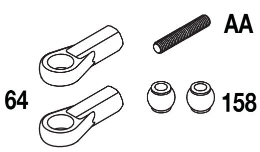


Front Suspension Arm Set
DTXC9341

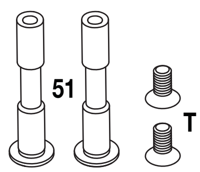
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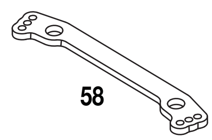
Rear Suspension Arm Set
DTXC9342



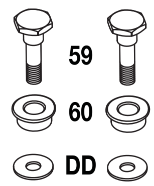
Steering Linkage
DTXC9462



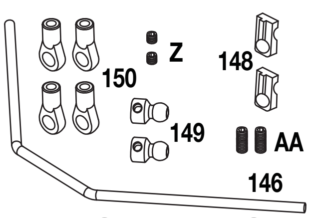
Steering Post Set
DTXC9468



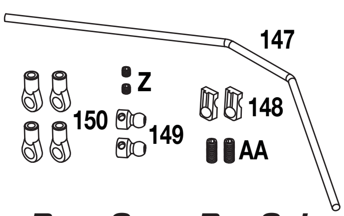
Steering Drag Link
DTXC9469



Steering Swivel Set
DTXC9477

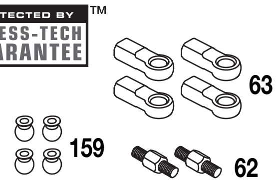


Front Sway Bar Set
DTXC9607

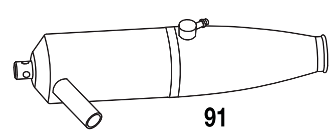


Rear Sway Bar Set
DTXC9608

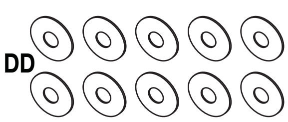
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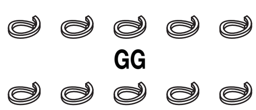
Tie-Rod Set
DTXC9634



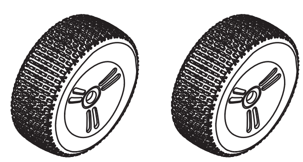
Tuned Pipe
DTXC9726



3x8mm Washers
DTXC9763

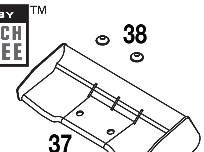


3mm Lock Washers
DTXC9764

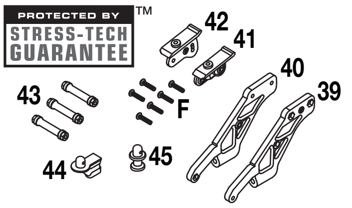


Assembled Wheel & Tire Set
DTXC9795

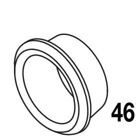
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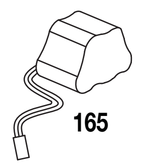
Black Wing w/Wing Washers
DTXC9964



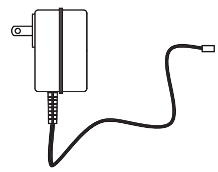
Wing Mount Set
DTXC9965



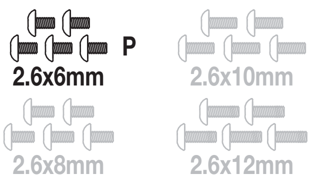
Exhaust Gasket
DTXG0658



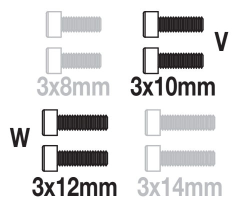
6V 5-Cell 1300mAh NIMH Receiver Battery
DTXM2040



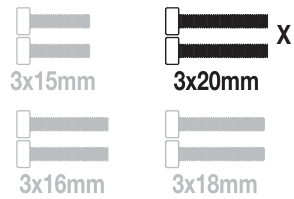
Receiver Battery Charger 110V
DTXP4800



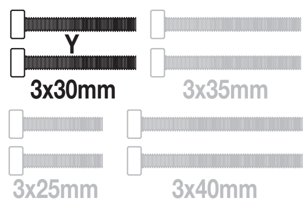
2.6mm S/T Screw Set
DTXQ0203



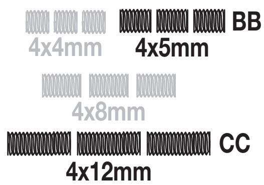
3mm H/H Screw Set
DTXQ0285



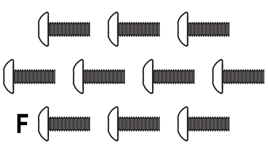
3mm H/H Screw Set
DTXQ0286



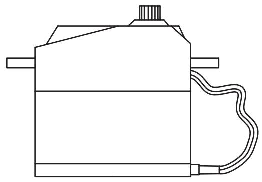
3mm H/H Screw Set
DTXQ0287



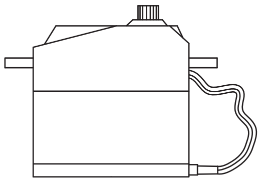
4mm Set Screws
DTXQ0305



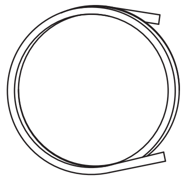
3x12mm B/H Screw Set
DTXQ5060



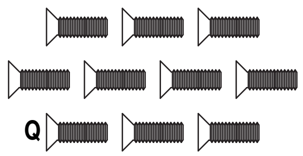
S3003 Throttle Servo
FUTM0031



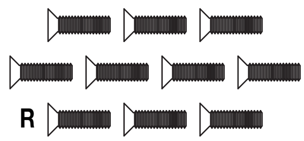
S3305 Steering Servo
FUTM0045



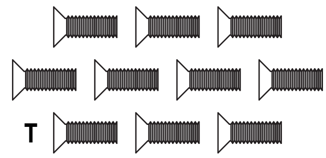
Fuel Tubing
GPMQ4131



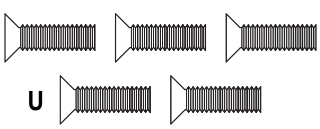
3x10mm F/H Screws
TKPQ0102



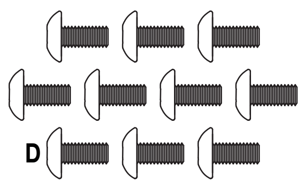
3x12mm F/H Screws
TKPQ0103



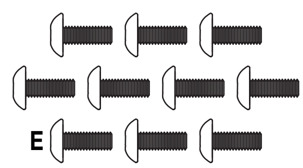
4x12mm F/H Screws
TKPQ0122



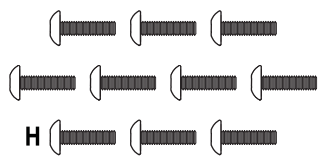
4x14mm F/H Screws
TKPQ0123



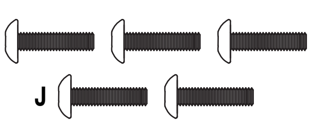
3x8mm B/H Screws
TKPQ0201



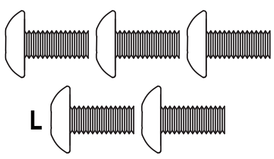
3x10mm B/H Screws
TKPQ0202



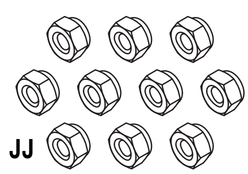
3x16mm B/H Screws
TKPQ0205



3x18mm B/H Screws
TKPQ0206



4x12mm B/H Screws
TKPQ0222



4mm Lock Nuts
TKPQ1004

Accessories

Glow Starters



The all-aluminum Ultra Slim is powered by a 1.2V, 1800mAh NiMH cell; Ultimates with high-impact polystyrene battery case use a larger NiCd. All include battery and charger — and offer the security of a Twist-and-Lock tip.

DTXP0320 Ultra Slim "AA" Glow Starter
DTXP0310 Ultimate "C" Glow Starter
DTXP0315 Ultimate "D" Glow Starter

Micro Fail-Safe



Prevents runaways due to signal loss or low receiver battery voltage, by reducing the throttle to a setting you select. Works with 4- and 5-cell NiCd and NiMH packs. Universal connector included.

DTXM4000

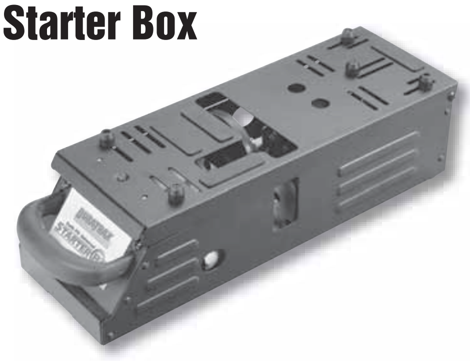
Track Bags



XL Deluxe measures 27 x 14 x 12 in (685.8 x 355.6 x 304.8 mm). 1/8 Deluxe Hauler measures 24.5 x 23 x 19 in (622.3 x 584.2 x 482.6 mm), and features wheels and a handle. Both are made of strong, lightweight nylon.

DTXP2011 XL Deluxe Field Bag
DTXP2012 1/8 Deluxe Hauler Bag

1/10 & 1/8 Universal Starter Box



Twin 550 motors and a durable belt drive offer reliable starting power for 1/8 and 1/10 on- and off-road engines. Requires either a 12V, 7Ah field battery or two 6-cell NiCd/NiMH stick packs.

DTXP5701

Futaba® 3PL 2.4GHz Computer Radio



Easy to program, the 3PL includes 3 proportional channels, a fourth for special mixing, and FHSS frequency-hopping technology to eliminate interference. A half-ounce R2004GF receiver is included.

FUTK1300

This parts list shows the key number, part description, and stock number for the replacement parts sets. When more than one stock number is listed, that part is available in multiple replacement parts sets. For contents found in each replacment parts set, refer to the illustrated parts guide.

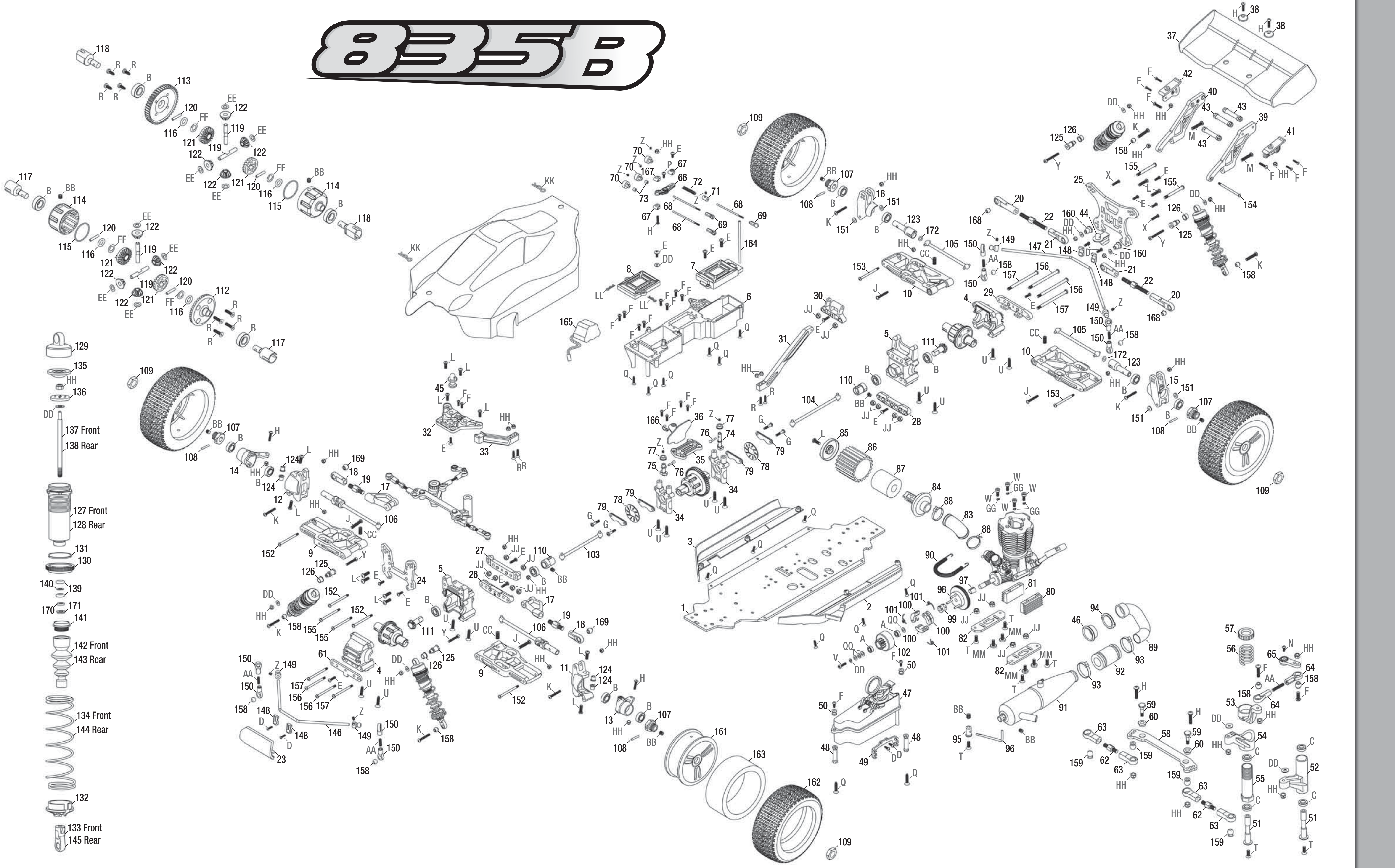
#	Item Description	Available in Stock #
1	Main Chassis	DTXC6971
2	Side Pod (Left)	DTXC6970
3	Side Pod (Right)	DTXC6970
4	Gearbox/Bulkhead A	DTXC6831
5	Gearbox/Bulkhead B	DTXC6831
6	Radio Box	DTXC8396
7	Receiver Box Lid	DTXC8396
8	Battery Box Lid	DTXC8396
9	Front Susp Arm	DTXC9341
10	Rear Susp Arm	DTXC9342
11	Front Hub Carrier/C-Hub (Left)	DTXC8093
12	Front Hub Carrier/C-Hub (Right)	DTXC8093
13	Front Knuckle (Left)	DTXC8234
14	Front Knuckle (Right)	DTXC8234
15	Rear Hub (Left)	DTXC8094
16	Rear Hub (Right)	DTXC8094
17	Front Upper Susp Arm	DTXC9340
18	Front Upper Susp Arm Ball End	DTXC9340
19	5x30mm Turnbuckle (Front Upper Arm)	DTXC9340
20	Rear Upper Susp Arm Ball End (Long)	DTXC9339
21	Rear Upper Susp Arm Ball End (Short)	DTXC9339
22	5x50mm Turnbuckle (Rear Upper Arm)	DTXC9339
23	Front Bumper	DTXC6915
24	Front Shock Tower	DTXC9292
25	Rear Shock Tower	DTXC9293
26	Front, Rear Lower Susp Mount	DTXC9338
27	Front, Rear Upper Susp Mount	DTXC9338
28	Rear, Front Lower Susp Mount	DTXC9338
29	Rear, Rear Lower Susp Mount	DTXC9338
30	Rear Chassis Brace Mount	DTXC9338
31	Rear Chassis Brace	DTXC6598
32	Front Upper Brace	DTXC6598
33	Front Chassis Brace	DTXC6598
34	Center Differential Mount	DTXC6953
35	Center Brace	DTXC6952
36	Fuel Splash Guard	DTXC6953
37	Rear Wing (Black)	DTXC9964
38	Wing Washer	DTXC9964
39	Lower Wing Mount (Left)	DTXC9965
40	Lower Wing Mount (Right)	DTXC9965
41	Upper Wing Mount (Left)	DTXC9965
42	Upper Wing Mount (Right)	DTXC9965
43	Wing Mount Support	DTXC9965
44	Rear Body Mount	DTXC9965
45	Front Body Mount	DTXC9965
46	Exhaust Gasket	DTXG0658
47	Fuel Tank 125cc	DTXC7821
48	Fuel Tank Mount	DTXC7821
49	Fuel Line Holder	DTXC7821
50	Fuel Tank Grommet	DTXC7821
51	Steering Post	DTXC9468
52	Steering Bellcrank	DTXC8843
53	Upper Servo Saver	DTXC8843
54	Lower Servo Saver	DTXC8843
55	Servo Saver Shaft	DTXC8842
56	Servo Saver Spring	DTXC8842
57	Servo Saver Adjustment Nut	DTXC8842
58	Steering Drag Link	DTXC9469
59	Drag Link Bolt	DTXC9477
60	Drag Link Bushing	DTXC9477
61	Aluminum Front Hinge Pin Mount	DTXC7974
62	Tie-Rod Turnbuckle	DTXC9634
63	Tie Rod Ball End	DTXC9634
64	Steering Linkage Ball End	DTXC9462
65	Steering Servo Arm	DTXC8806
66	Throttle Servo Arm	DTXC8806
67	Linkage Slider A	DTXC8806
68	Throttle/Brake Linkage Rod	DTXC8235
69	Throttle/Brake Linkage Ball End	DTXC8235
70	Knurled Linkage Collar	DTXC8235
71	Linkage Collar	DTXC8235
72	Throttle Linkage Spring	DTXC8235
73	Brake Linkage Spacer	DTXC8235
74	Brake Cam (Long)	DTXC6704
75	Brake Cam (Short)	DTXC6704
76	Brake Cam Linkage Pin	DTXC6704
77	Brake Cam Bushing	DTXC6953
78	Brake Disk	DTXC6694
79	Brake Pad	DTXC6694
80	Engine Mount Block (Left)	DTXC7618
81	Engine Mount Block (Right)	DTXC7618
82	Engine Mount Plate	DTXC7619
83	Air Filter Adapter Tube	DTXC6114
84	Air Filter Mount	DTXC6114
85	Air Filter Cap	DTXC6114
86	Air Filter Element (Outer)	DTXC6115, DTXC6114
87	Air Filter Element (Inner)	DTXC6115, DTXC6114
88	Air Filter Tie Strap	DTXC6114
89	Exhaust Manifold	DTXC8291
90	Exhaust Manifold Spring	DTXC8291
91	Tuned Pipe	DTXC9726
92	Tuned Pipe Coupler	DTXC7604
93	Tuned Pipe Coupler Tie Strap	DTXC7604
94	Exhaust Manifold Plate	DTXC8291
95	Tuned Pipe Mount	DTXC8321
96	Tuned Pipe Mounting Wire	DTXC8321
97	Flywheel Collet	DTXC7712
98	Flywheel	DTXC7712
99	Clutch Nut	DTXC7657
100	Clutch Shoe	DTXC7163
101	Clutch Spring	DTXC7168
102	Clutch Bell (13T, Module 1)	DTXC7138
103	Center Dogbone (85mm, Front)	DTXC7501
104	Center Dogbone (96mm, Rear)	DTXC7501
105	Rear Dogbone (88mm)	DTXC7502
106	Front Universal Drive Shaft	DTXC7503
107	Drive Hex	DTXC7504
108	Drive Pin (2.5x16mm)	DTXC7504
109	Wheel Nut	DTXC7504
110	Center Drive Joint	DTXC7512
111	Differential Pinion Gear (13T)	DTXC7513
112	Differential Ring Gear (43T)	DTXC7513
113	Spur Gear (46T, Module 1)	DTXC9329
114	Differential Case	DTXC7514

115 Differential Case O-Ring....DTXC7514
116 Differential Shaft O-Ring....DTXC7514, DTXC9329, DTXC7513
117 Differential Output Joint (Front/Rear)....DTXC7515
118 Center Differential Output Joint....DTXC7516
119 Differential Cross Pin Shaft....DTXC7517
120 Differential Output Joint Pin (2.5x13mm)....DTXC7517
121 Differential Large Bevel Gear....DTXC7518
122 Differential Small Bevel Gear....DTXC7518
123 Rear Axle....DTXC8456
124 King Pin Bushing....DTXC8093
125 Upper Shock Mount....DTXC8948
126 Upper Shock Mount Bushing....DTXC8945
127 Front Shock Body....DTXC8947, DTXC8982
128 Rear Shock Body....DTXC8947, DTXC8983
129 Shock Cap....DTXC8947, DTXC8982, DTXC8983
130 Upper Spring Mount....DTXC8947, DTXC8982, DTXC8983
131 Upper Spring Mount O-Ring....DTXC8947, DTXC8982, DTXC8983
132 Lower Spring Mount....DTXC8945, DTXC8982, DTXC8983
133 Front Shock End....DTXC8945, DTXC8982
134 Front Shock Spring....DTXC8946, DTXC8982
135 Shock Diaphragm....DTXC8945, DTXC8982, DTXC8983
136 Shock Piston....DTXC8945, DTXC8982, DTXC8983
137 Front Shock Shaft....DTXC8945, DTXC8982
138 Rear Shock Shaft....DTXC8945, DTXC8983
139 Shock O-Ring....DTXC8945, DTXC8982, DTXC8983
140 Shock O-Ring Spacer (Thin)....DTXC8945, DTXC8982, DTXC8983
141 Shock Seal Retainer....DTXC8947, DTXC8982, DTXC8983
142 Front Shock Boot....DTXC8944, DTXC8982
143 Rear Shock Boot....DTXC8944, DTXC8983
144 Rear Shock Spring....DTXC8946, DTXC8983
145 Rear Shock End....DTXC8945, DTXC8983
146 Front Sway Bar....DTXC9607
147 Rear Sway Bar....DTXC9608
148 Sway Bar Retainer....DTXC9607, DTXC9608, DTXC6831
149 Sway Bar End Pivot....DTXC9607, DTXC9608
150 Sway Bar Ball End....DTXC9607, DTXC9608
151 Rear Hub Spacer....DTXC8094
152 3x40mm Screw Pin....DTXC8601
153 3x45mm Screw Pin....DTXC8601
154 3x50mm Screw Pin....DTXC8601
155 4x37mm Screw Pin....DTXC8601, DTXC6831
156 4x62mm Screw Pin....DTXC8601, DTXC6831
157 4x70mm Screw Pin....DTXC8601
158 3mm Ball....DTXC9462, DTXC8945
159 3mm Stand-Off Ball....DTXC9634
160 Ball Nut....DTXC6191, DTXC9339
161 Wheel....DTXC9795
162 Tire....DTXC9795
163 Foam Tire Insert....DTXC9795
164 Antenna Tube....DTXC6161
165 6V 5-cell 1300mAh NiMH Rx Battery....DTXM2040
166 Fuel Line Clip....DTXC6952
167 Linkage Slider B....DTXC8806
168 3x8mm Ball (Tall)....DTXC6191, DTXC9340
169 3x8mm Ball (Short)....DTXC6191, DTXC9339
170 Shock O-Ring Spacer (Thick)....DTXC8945, DTXC8982, DTXC8983
171 Shock Shaft Guide....DTXC8945, DTXC8982, DTXC8983
172 4x8mm O-Ring....DTXC9289

HARDWARE

A 5x10mm Ball Bearing....DTXC1535
B 8x16mm Ball Bearing....DTXC1585
C 6x10 Bushing....DTXC6781
D 3x8mm Button Head Hex Screw....TKPQ0201
E 3x10mm Button Head Hex Screw....TKPQ0202
F 3x12mm Button Head Hex Screw....DTXQ5060
G 3x15mm B/H Shoulder Brake Screw....DTXC8651
H 3x16mm Button Head Hex Screw....TKPQ0205
J 3x18mm Button Head Hex Screw....TKPQ0206
K 3x22mm Button Head Hex Screw....DTXC8652
L 4x12mm Button Head Hex Screw....TKPQ0222
M 4x20mm Button Head Hex Screw....DTXC8657
N 3x8mm Button Head Screw....DTXC4390
P 2.6x6mm Self-Tapping Screw....DTXQ0203
Q 3x10mm Flat Head Hex Screw....TKPQ0102
R 3x12mm Flat Head Hex Screw....TKPQ0103
T 4x12mm Flat Head Hex Screw....TKPQ0122
U 4x14mm Flat Head Hex Screw....TKPQ0123
V 3x10mm Cap Screw....DTXQ0285
W 3x12mm Cap Screw....DTXQ0285
X 3x20mm Socket Head Screw....DTXQ0286
Y 3x30mm Socket Head Screw....DTXQ0287
Z 3x3mm Set Screw....DTXC8660
AA 3x10mm Set Screw....DTXC8661
BB 4x5mm Set Screw....DTXQ0305
CC 4x12mm Set Screw....DTXQ0305
DD 3x8mm Washer....DTXC9763
EE 4x7mm Washer....DTXC8697
FF 6x10mm Washer....DTXC8698
GG 3mm Lock Washer....DTXC9764
HH 3mm Locknut....DTXC8240
JJ 4mm Locknut....TKPQ1004
KK Body Clip (Large)....DTXC6472
LL Body Clip (Small)....DTXC6442
MM 4x10mm Motor Mount Screws....DTXC8699
QQ Clutch Bell Washer (5x8x0.3mm)....DTXC8696

835B


137 Front
138 Rear
127 Front
128 Rear
142 Front
143 Rear
134 Front
144 Rear
133 Front
145 Rear

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